

# The University

## History

The names "Loyola" and "Marymount" have long been associated with Catholic higher education in countries around the globe. Saint Ignatius Loyola, founder of the Society of Jesus, the Jesuits, sanctioned the foundation of his order's first school in 1548. The Religious of the Sacred Heart of Mary have conducted educational institutions since their establishment in France by Father Jean Gailhac. These two traditions of education have come together in Los Angeles as Loyola Marymount University.

The present institution is the successor to the pioneer Catholic college and first institution of higher learning in Southern California. In 1865 the Vincentian Fathers inaugurated St. Vincent's College for Boys in Los Angeles. When this school closed in 1911, members of the Society of Jesus opened the high school division in their newly founded Los Angeles College.

Rapid growth prompted the Jesuits to commence the collegiate department that same year, seek a new campus in 1917, and incorporate as Loyola College of Los Angeles in 1918. Relocating to the present Westchester campus in 1929, the school achieved university status one year later.

Graduate instruction began in 1920 with the foundation of a separate law school. The formation of the Graduate Division occurred in June 1950, though graduate work had formed an integral part of the Teacher Education Program during the preceding two years.

The Religious of the Sacred Heart of Mary began teaching local young women in 1923. Ten years later they opened Marymount Junior College in Westwood which first granted the baccalaureate degree in 1948. The school later transferred classes to a new campus on the Palos Verdes Peninsula in 1960. Eight years later, Marymount College moved again, this time to the Westchester campus of Loyola University as an autonomous college. At this juncture, the Sisters of St. Joseph of Orange joined the Marymount Sisters as partners.

After five years of sharing faculties and facilities, Loyola University and Marymount College merged and formed Loyola Marymount University in July 1973. Through this union, the expanded school maintained the century-old mission of Catholic higher education in Los Angeles.

In articulating a vision for this unique collegiate enterprise, the Board of Trustees turned to the history of the four-century-old Jesuit educational philosophy as well as to the history and traditions of the Marymount and St. Joseph's Sisters. They also recognized the riches of a variety of religious traditions represented among the dedicated faculty and staff that complemented and enhanced the school's heritage of Catholic values.

The University pursues quality in:

- Curricula of All Academic Programs
- Co-curricular Programs and Support Services
- Faculty, Administration and Staff
- Students
- Campus Life, Hospitality and Services

Loyola Marymount University:

- Promotes Academic Excellence
- Lives an Institutional Commitment to Roman Catholicism and the Judeo-Christian Tradition
- Provides a Liberal Education
- Fosters a Student-centered University
- Creates a Sense of Community on Campus

- Participates Actively in the Life of the Larger Community

# University Mission Statement

## Introduction

Loyola Marymount University offers rigorous undergraduate, graduate, and professional programs to academically ambitious students committed to lives of meaning and purpose. We benefit from our location in Los Angeles, a dynamic city that brings into sharp focus the issues of our time and provides an ideal context for study, research, creative work, and active engagement. By intention and philosophy, we invite men and women diverse in talents, interests, and cultural backgrounds to enrich our educational community and advance our mission:

- The encouragement of learning
- The education of the whole person
- The service of faith and the promotion of justice

The University is institutionally committed to Roman Catholicism and takes its fundamental inspiration from the combined heritage of the Jesuits, the Marymount Sisters, and the Sisters of St. Joseph of Orange. This Catholic identity and religious heritage distinguish LMU from other universities and provide touchstones for understanding our threefold mission.

## The Encouragement of Learning

At LMU, the encouragement of learning takes place in the context of an intellectual tradition that:

- Insists on critical thinking and the development of imagination and artistic expression
- Takes philosophical and theological disciplines seriously
- Engages in ethical discourse and embraces the search for values
- Respects the integrity of the individual while at the same time pursuing the common good
- Views the world as sacramental and seeks to find God in all things
- Encourages an integration of knowledge in which "faith and reason bear witness to the unity of all truth" (*Ex Corde Ecclesiae*, 1990, #17)

As a foundation for inquiry and learning, we strive to create an intercultural community and to promote ecumenical and inter-religious dialogue. This means that at LMU the encouragement of learning is a radical commitment to free and honest inquiry--but always with reverence before the mystery of the universe and openness to transcendent reality.

## The Education of the Whole Person

With roots in the spiritual humanism of the earliest Jesuit colleges, LMU's pedagogical tradition has an abiding concern for the education of the whole person. Today we understand this as a simultaneous process of information, formation, and transformation. The education of the whole person thus includes these points:

- It encourages personal integration of the student's thinking, feeling, choosing, evolving self. It does this by fostering not only academic and professional development but also physical, social, psychological, moral, cultural, and religious/spiritual growth.
- It promotes formation of character and values, meaning and purpose. As students learn to "read" what is going on in their own lives and in the larger world, they are encouraged to grow in the skills of personal and social literacy needed for responsible citizenship.

- It seeks to develop men and women for others. LMU encourages students, faculty, and staff to identify with those living on the margins of society so that the intellectual inquiry and moral reflection endemic to university life will lead to meaningful work for transformative social change.

## **The Service of Faith and the Promotion of Justice**

We take seriously both parts of this phrase. The service of faith encompasses all those ways in which the University engages its Catholic intellectual, cultural, and religious heritage. These ways include specific courses and academic programs as well as opportunities for worship, faith formation, and spiritual development.

The service of faith also honors the reality of religious pluralism on our campus and embraces inter-faith dialogue in formal and informal contexts. The desired outcome of such encounters moves us beyond tolerance to mutual respect and understanding, deepens appreciation of one's own faith, and creates opportunities for engaging others who share a longing for meaningful lives.

Finally, at LMU we insist that the service of faith is incomplete without the promotion of justice. Together with the University's sponsoring religious orders and the post-Vatican II Church, we believe that participating in the struggle for justice in ways appropriate to our academic community is a requirement--not simply an option--of biblical faith. In this struggle LMU makes common cause with all who share a commitment to local and global justice, whether they are motivated by faith or other noble ideals.

Updated May 2010

## **Goals**

Loyola Marymount University promotes academic excellence by:

- Enrolling an academically ambitious, multicultural, and socioeconomically diverse student body
- Recruiting, retaining, and supporting a diverse and multicultural faculty committed to excellence in teaching and active scholarship or artistic productivity
- Sustaining an excellent staff and administration as partners with the faculty in promoting academic excellence
- Engaging students in academic programs that explore the multicultural experience of American ethnic groups
- Maintaining an academic community in which freedom of inquiry and expression enjoy the highest priority
- Emphasizing the skills and knowledge necessary for a lifetime of intellectual growth and providing strong pre-professional and professional preparation in the undergraduate curriculum
- Offering excellent graduate and legal education in a context which promotes the highest standards of personal integrity and professional responsibility
- Developing and maintaining the physical facilities, equipment, and support systems that enable the university to carry out its academic mission
- Providing library facilities and services for excellence in the university's undergraduate, graduate, and professional programs

Lives an institutional commitment to Catholicism and the Judeo-Christian tradition by:

- Ensuring that Catholic faith and tradition continue to inform and inspire the Loyola Marymount educational experience
- Encouraging collaboration between members of the founding religious communities and other members of the University to give a distinctive tone to campus life
- Welcoming students, faculty, and staff from all faith traditions
- Emphasizing the examination of the moral and ethical implications of all human actions

- Fostering a just society through a commitment to social justice and service
- Offering opportunities for religious practice and faith development for the entire Loyola Marymount community

Provides a liberal education by:

- Offering a core curriculum that provides each undergraduate with a broad education in the liberal arts and sciences as the heart of the undergraduate experience
- Emphasizing the study of philosophy and theology in the undergraduate curriculum
- Challenging all students to think critically and reflect on basic values and issues, and free themselves from prejudice
- Supporting a faculty committed to excellent teaching and scholarship in a university based on the liberal arts tradition
- Encouraging students to understand their fields of studies in a broad intellectual, ethical, and social context
- Preparing students, undergraduate and graduate, to play active roles in addressing the problems and challenges of the larger society and world in which they live

Fosters a student-centered university by:

- Maintaining the residential character and medium size of the Westchester campus to assure that each student receives personal attention
- Encouraging staff, administration, and faculty to embrace the ideal of personal care and dedication to the well-being and development of each student
- Offering co-curricular programs that complement the academic programs and produce a coherent educational experience
- Supporting the full involvement of students in campus life by offering a wide variety of activities
- Providing opportunities for students to develop their leadership skills by actively involving them in decision making
- Challenging and encouraging students to lead and serve others

Creates a sense of community on campus by:

- Introducing new members of the community to the shared values and history of the university and reinforcing a sense of belonging for all members
- Assuring that the daily life of the campus reflects a vision of human dignity and fosters mutual understanding and caring
- Celebrating the richness and diversity of a multicultural campus
- Encouraging faculty, staff, administrators, and students to serve others, participate in the life of the University, and act as responsible and generous members of the academic community
- Providing opportunities to participate in making significant decisions through well-defined and fair procedures

Participates actively in the life of the larger community by:

- Using the resources of Los Angeles and Southern California to expand and deepen the student's educational experience
- Developing academic programs that address the dynamics and opportunities of the nations and cultures of Latin America and the Pacific Rim
- Inspiring faculty, staff, students, and alumni to serve their communities and society by applying their skills and knowledge to critical problems
- Contributing to the intellectual and cultural life of society through scholarship and the arts
- Providing leadership in the examination and discussion of the ethical dimensions of social issues
- Recognizing a particular responsibility to serve the global Church, and especially the people of the Archdiocese of Los Angeles and the local dioceses.

Approved by Board of Trustees, December 3, 1990

# Interculturalism

Interculturalism is sharing and learning across cultures with the aim of promoting understanding, equity, harmony, and justice in a diverse society. Our actions must be grounded in, and guided by, the following:

- LMU is composed of individuals and groups who continue to grow in knowledge of the historical contexts from which we emerged.
- Knowledge of self and others, inspired by a commitment to human dignity and justice, is the hallmark of interculturalism.
- Promotion of the common good requires the recognition of similarities within a common humanity, the appreciation of differences, and the willingness to share cross-cultural experiences.
- Interculturalism is a dynamic and critical endeavor that involves the acquisition of knowledge, ongoing examination of the way we view the world, and purposeful action to promote a just and harmonious society at LMU and beyond.

## Vision

Grounded in the *Catholic intellectual tradition*, Loyola Marymount University affirms human dignity and promotes justice. Different cultures are unique expressions of these common aspirations.

All cultures can contribute to the search for knowledge and the building of communities based on the common humanity of all people. At LMU, interculturalism is an essential source of academic excellence and a defining characteristic of our campus community. We draw upon interculturalism to create a university of excellence, to serve as a model Catholic institution, and to be a catalyst for the creation of a more just society built on respect and a sense of shared destiny.

We embody interculturalism in our policies, practices, and curricula. We promote personal and professional interaction, encouraging intercultural engagement to engender trust, respect, and compassion. Intercultural engagement enables us to share power and responsibility as we grow in self-knowledge, learn to value the unique qualities of diverse cultural groups, and understand the common elements of our shared humanity.

## Accreditation

Accreditation--a seal of approval by professional peers--indicates that an institution or program meets the quality standards of the group conferring the accreditation.

Loyola Marymount University is both regionally and professionally accredited by the following organizations:

### Regional/General Accreditations

- Western Association of Schools and Colleges (WASC)\*

### Program-Specific Accreditation

- Accreditation Association for Ambulatory Health Care
- American Art Therapy Association
- American Bar Association
- Association of American Law Schools
- Association to Advance Collegiate Schools of Business
- California State Commission on Teacher Credentialing

- Committee of Bar Examiners of the State Bar of California
- The Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology
- Council for the Accreditation of Educator Preparation
- International Association of Counseling Services
- National Association of Schools of Art and Design Commission of Accreditation
- National Association of Schools of Dance
- National Association of Schools of Music
- National Association of Schools of Theatre
- National Association of School Psychology
- National Council for Accreditation of Teacher Education

*\*WASC is reviewed periodically and recognized by the U.S. Department of Education (USDOE) and the Council for Higher Education Accreditation (CHEA).*

## Membership

Loyola Marymount University is a member of the following organizations:

- American Academy in Rome
- American Association of Colleges for Teacher Education
- American Association of Collegiate Registrars and Admissions Officers
- American Chemical Society
- American College Personnel Association
- American College of Physicians
- American Council on Education
- American Counseling Association
- American Mathematical Society
- American Schools of Oriental Research
- American Society for Engineering Education
- American Volleyball Coaches Association
- Association of American Colleges
- Association of College and University Housing Officers--International
- Association of Fraternity Advisors
- Association of Graduate Schools in Catholic Colleges and Universities
- Association of International Educators
- Association of Jesuit Colleges and Universities
- Association of University and College Counseling Center Directors
- Association to Advance Collegiate Schools of Business
- Black Coaches Association
- California Association of Counseling and Development
- California Career Development Association
- California Council on the Education of Teachers
- California Educational Placement Association
- California Women in Higher Education
- College Entrance Examination Board
- Conference of the Registrars in Jesuit Institutions
- Consortium of Liberal Arts Small Independent Colleges
- Council of Graduate Schools in the United States

- Jesuit Association of Student Personnel Administrators
- Los Angeles Chamber of Commerce
- National Association of Advisors for the Health Professions
- National Association of Campus Activities
- National Association of College Directors of Athletics
- National Association of Colleges and Employers
- National Association of Graduate Admissions Professionals
- National Association of Schools of Art and Design
- National Association of Schools of Dance
- National Association of Schools of Music
- National Association of Schools of Theatre
- National Association of Student Employment Administrators
- National Association of Student Personnel Administrators
- National Catholic Education Association
- National Collegiate Athletic Association
- National Collegiate Honors Council
- National Consortium on Academics and Sports
- National Intramural Recreational Sports Association
- National Society of Experiential Education
- North American Association of Summer Sessions
- NSPE--National Society of Professional Engineers
- Organization of Counseling Center Directors in Higher Education
- Pacific Association of Collegiate Registrars and Admissions Officers
- Southern California International Careers Consortium
- Western Association of College and University Housing Officers
- Western Association of Colleges and Employers
- Western Association of Graduate Schools
- Western Association of Student Employment Administration
- Western Association of Student Financial Aid Administration
- Western Association of Summer Session Administrators
- Western Regional Honors Council

## Graduation Rate

The completion or graduation rate by August 2019 for undergraduate students who entered Loyola Marymount University in Fall 2013 on a full-time basis was 79.9%.

# Admission to the University

## Undergraduate Admission

Loyola Marymount University welcomes applications from students who subscribe to the goals of the University and who are qualified to undertake its programs. The University makes selective and individual decisions, and the academic record is the primary consideration. Writing ability; accomplishments in academic, artistic, athletic, co-curricular, or work- or service-related endeavors; recommendations; and relationship to the University are also given significant consideration. Each application is individually evaluated.

Candidates are considered for admission to either the Fall or Spring semester, provided ALL required documents have been received before the priority dates. The Fall priority date for freshman applicants is January 15; transfer applications are due March 15; the Spring priority date for all applicants is October 15. Early Action (non-binding) and Early Decision (binding) programs are also offered to freshman applicants for the Fall semester; a non-binding Early Action program is available to fall semester transfer applicants. November 1 is the deadline for fall semester freshmen to apply under either the Early Action or Early Decision program. Full consideration cannot be assured to applicants failing to meet these priority dates. A personal interview is not required, but individual Admission counseling appointments are encouraged. Personal appointments and campus tours can be arranged through the Office of Admission. Please visit <http://admission.lmu.edu> or call 310.338.2750. The fax number is 310.338.2797, and the email address is [admissions@lmu.edu](mailto:admissions@lmu.edu).

## High School Subjects Recommended for Admission

The following high school course of study is recommended for admission into the University.

English	4 years
Foreign Language	3 years
Mathematics	3 years
Laboratory Science	2 years
Social Sciences	3 years
Academic Electives	1 year

Business students must complete a unit in each of the following: elementary algebra, geometry, intermediate algebra/trigonometry, and precalculus. Engineering, computer science, mathematics, and science majors should complete four units of mathematics and one unit each of biology, chemistry, and physics.

## Admission Procedure

Loyola Marymount University is a member of the Common Application. All applicants should file the Common Application by the appropriate deadline and submit a \$60 nonrefundable application fee. Students preferring not to use the Common Application may use the alternate online application, which may be found at [admission.lmu.edu/apply](http://admission.lmu.edu/apply).

The following procedures apply to all candidates. Transfer and international applicants should be sure to note specific additional requirements as stated below. Candidates seeking admission to Loyola Marymount University should:

1. File the Common Application and the LMU Writing Supplement or the LMU online application by the appropriate deadline and submit a \$60 nonrefundable application fee or an appropriate fee waiver. Application forms are available online at [admission.lmu.edu/apply](http://admission.lmu.edu/apply).
2. Request official transcripts to be sent from the last high school attended and from each college attended. We will also accept self-reported courses and grades entered on your application for admission. Advanced Placement students must submit official AP test score results in order to receive college credit. International Baccalaureate students must submit official result of IB Higher Level examinations to receive college credit.
3. Loyola Marymount will be test optional for students applying for 2021 or 2022 admission. If you wish to have your test scores considered, arrange for SAT I or ACT scores to be sent to the Director of Admission. Information about SAT I may be obtained from the College Board: P.O. Box 6200, Princeton, NJ 08541-6200 or at <http://www.collegeboard.org>. Information about ACT may be obtained from the American College Testing Program: ACT Records, P.O. Box 451, Iowa City, IA 52243 or at <http://www.actstudent.org>. Self-reported scores are also accepted.
4. Before school begins, all entering students are required to submit an official final high school transcript certifying the completion of secondary requirements and showing the high school graduation date. Transfer students are also required to submit official transcripts. Students failing to submit required transcripts will be prevented from registering for subsequent semesters until this requirement is satisfied.

## Notification of Acceptance

Candidates will be evaluated for admission after all of the required steps in the application process have been completed, according to the following calendar:

- **Fall freshman applicants (Early Action):** Decisions for candidates applying under the Early Action program whose applications are complete by November 1 will be announced in mid-December. Early Action applications may be accepted, denied, or deferred for further consideration during the regular decision process. Loyola Marymount's Early Action program is non-binding.
- **Fall freshman applicants (Early Decision):** Decisions for candidates applying under the Early Decision program whose applications are complete by November 1 will be announced in early December. Early Decision applications may be accepted, denied, or deferred for further consideration during the regular decision process. Loyola Marymount's Early Decision program is binding.
- **Fall freshman applicants (Regular Decision):** Decisions for candidates considered under the Regular Decision program (applications submitted after November 1 and before January 15) will be sent on a rolling basis, and no later than April 1.
- **Fall semester regular decision transfer applicants and all Spring semester candidates:** Notification of acceptance will be sent on a rolling basis.

A final transcript is required as verification that all work in progress has been completed with a GPA equal to or greater than the student's overall grade point average at the time of acceptance. In the event that the final semester of work does not meet required criteria, acceptance may be rescinded.

## Academic Scholarships

Each year the Loyola Marymount Scholarship Committee offers academic scholarships to the most accomplished candidates for freshman admission. These scholarships are renewable for four years and are not based on financial need.

The Arrupe Scholarship, named for Fr. Pedro Arrupe, S.J., the former Superior General of the Society of Jesus (the Jesuits), carries a minimum value of \$12,500 per year. Selection is based on outstanding GPA and SAT I/ACT scores, with supplemental consideration to leadership potential and school or community service and involvement.

From among the Arrupe Scholars, the Scholarship Committee further selects a very limited number of students for additional scholarship consideration, including the Presidential and Trustee Scholarships (see the Financial Aid section of the Bulletin for more information on these scholarships).

All students meeting the January 15 Regular Decision deadline will be automatically considered for all academic scholarships. Superior students are encouraged to apply under the Early Action program to ensure full consideration for Presidential and Trustee Scholarships.

Further information on all LMU Scholarship programs for entering freshmen may be found at <http://financialaid.lmu.edu/prospective/scholarships>.

## Tuition Deposit

Accepted students intending to enroll are required to submit a nonrefundable \$500 Tuition deposit to secure their seat in the class. The commitment deposit is applied to first-semester tuition.

If the Tuition Deposit is not received within the stated time, the acceptance for admission may be canceled.

## Housing

First-time freshmen entering in the Fall term are guaranteed University housing, provided their Tuition Deposit is received electronically or postmarked no later than May 1 for Fall admission.

Fall term transfer students and any student entering in the Spring term are not guaranteed housing. Instead, they are offered accommodations on a space-available basis. Their housing requests will be processed on a first-come, first-served basis as they make their tuition deposits and return all requested Housing information.

## Admission of Transfer Students

Each semester the University considers students for transfer, provided they are in good standing and not under academic or disciplinary probation or suspension from the last school attended. Please see the paragraph on Admission Procedure above for general admission requirements. The priority date for transfer applications for fall admission is February 1; for Spring admission, the priority date is October 15. Transfer students are considered for admission as follows:

- Students who would have been acceptable for admission as freshmen to Loyola Marymount University at the time of their graduation from high school will be considered for transfer standing if they have at least a 3.00 cumulative average for all previous college work and at least a 3.00 average for the most recent college work attempted prior to admission.
- Students who, for academic reasons, were not acceptable for admission as freshmen at the time of their graduation from high school will be considered for transfer standing if they have completed at least the equivalent of 30 semester hours of transferable college work with at least a 3.00 cumulative average and at least a 3.00 average for the most recent college work attempted prior to admission.

Admission of transfer students is selective and subject to available space and enrollment limitations. The minimum transfer GPA of 3.00 may not always be sufficient to secure admission. Likewise, certain majors require that some prerequisites be completed prior to transferring.

The College of Business Administration explains its transfer policy in its section of the Bulletin.

Transfer admission to Film and Television Production and Recording Arts in the School of Film and Television is limited and restricted to students with freshman or sophomore standing. Students with more than 60 transferable units are not eligible for admission to these programs.

Credit for work completed at institutions accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities, other than course work identified by such institutions as remedial or in other ways as being nontransferable, will be accepted toward the satisfaction of baccalaureate degree and credential requirements at the University

within limitations of residence requirements. Courses with grades below C (2.0) do not transfer. A maximum of 60 semester hours from two-year colleges are transferable to the degree program of the University.

Policies regarding transfer credit for a particular degree may vary slightly among the individual colleges, depending upon degree requirements. In general, courses having comparable content and class level with those in the LMU curriculum will transfer.

## **Admission of International Students**

International students should follow the same admission procedures and priority dates outlined above. International students are admitted as degree-seeking students only.

Further, international students are cautioned to comply with the following additional guidelines to ensure compliance with immigration authorities and avoid delay in the processing of the applications:

1. Take the Test of English as a Foreign Language (TOEFL) given by the Educational Testing Service and arrange for scores to be sent to the International Admission office. Information about this test may be obtained from: Test of English as a Foreign Language, P.O. Box 6151, Princeton, NJ 08541-6151 or at <http://www.ets.org/toefl>. The University's minimum standard for undergraduate admission is 550 (paper-based TOEFL), 213 (computer-based TOEFL), or 90 (Internet-based TOEFL). As an alternative to taking the TOEFL, non-native English speakers may also take the International English Language Testing System (IELTS) which is jointly managed by British Council, IDP: IELTS Australia and the University of Cambridge ESOL Examinations (Cambridge ESOL). Information about this test may be obtained from: <http://www.ielts.org>. The University's minimum standard for undergraduate admission is 6.5. A third option is the Pearson Test of English which is administered by Pearson Inc. More information about this test can be obtained from: <https://pearsonpte.com/>. The University's minimum standard for undergraduate admission is 53. A fourth option to demonstrate English proficiency is to take the Duolingo English Test which is administered by Duolingo, Inc. More information about the test can be obtained from <https://englishtest.duolingo.com/> and the University's minimum standard for undergraduate admission is 105.
2. Submit a statement of financial responsibility for all obligations covering the full period of time for which the student is making application.
3. Submit official transcripts of previous academic training. Documents must be sent from the originating sources directly to the Admission Office and must cover all secondary schools attended and, if college study was attempted, all colleges and universities attended. Documents should include results of standard examinations administered by government or certifying agencies.

Photostatic copies are acceptable only if they are notarized as true copies and bear the original seal of the notarizing authority. All documents submitted for admission become property of the University and will not be returned.

The United States Department of Justice Immigration and Naturalization Form (I-20) will be sent after the \$250 non-refundable Commitment Deposit has been received by the Office of Admission.

## **Non-Degree Students**

Students wishing to take courses at the University on a non-degree basis must file an application with the Office of Admission in accordance with regularly stated deadlines. Proof of eligibility to study at the University will be required, including transcripts or other appropriate documents.

Non-degree students will be allowed to study for a period of no more than three semesters or a total of 18 semester hours, whichever occurs first.

## **Advanced Placement**

LMU participates in the Advanced Placement Program of the College Board. Students may be granted credit at the time of entrance into the University for subjects in which they have completed the AP examinations with minimum score of 4. When official scores have been received from the College Board, applicants will be notified of the advanced placement and course credit in accordance with the following table.

Note that an essay is required for all examinations offering optional essays.

<b>AP Exam</b>	<b>Number of Semester Hours Awarded</b>	<b>Equivalent LMU Course(s)</b>
Art History	8	ARHS 2000 and ARHS 2002
Biology	6	No specific course
Calculus AB	4	MATH 131
Calculus BC	8	MATH 131 and MATH 132
Chemistry	4	No specific course
Chinese Language and Culture	8	CHIN 2101 and CHIN 2102
Comparative Government and Politics	4	POLS 1400
Computer Science A	3	CMSI 185
Computer Science Principles	3	CMSI 182
English Language and Composition	4	No specific course
English Literature and Composition	4	No specific course
Environmental Science	3	ENVS 101
European History	4	HIST 1200
French Language and Culture	8	FREN 2101 and FREN 2102
German Language and Culture	8	GRMN 2101 and GRMN 2102
Human Geography	4	GEOG 1000
Italian Language and Culture	8	ITAL 2101 and ITAL 2102
Japanese Language and Culture	8	JAPN 2101 and JAPN 2102
Latin	8	CLAR 1115 and CLAR 1125

Macroeconomics	4	ECON 1200
Microeconomics	4	ECON 1100
Music Theory	3	No specific course
Physics C: Mechanics	4	PHYS 101
Physics C: Electricity and Magnetism	4	PHYS 201
Physics 1: Algebra-based	4	PHYS 253
Physics 2: Algebra-based	4	PHYS 254
Psychology	4	No specific course
Spanish Language and Culture	8	SPAN 2101 and SPAN 2102
Spanish Literature and Culture	8	No specific course
Statistics	3	MATH 104
Studio Art: Drawing	6	No specific course
Studio Art: 2D Design	3	No specific course
Studio Art: 3D Design	3	No specific course
United States Government and Politics	4	POLS 1200
United States History	4	HIST 1300
World History	4	HIST 1050

## International Baccalaureate

LMU may award up to 6 semester hours (up to 8 for lab-based science courses) for higher level passes for which a student scores a 5 or above. Not all higher level examinations will yield advanced-standing credit. The IB chart that follows shows IB examinations that have been approved for transfer.

<b>IB Exam</b>	<b>Minimum IB Score Required</b>	<b>Number of Semester Hours Awarded</b>	<b>Equivalent LMU Course(s)</b>

Biology Higher Level 2016 exam	5	6	Under review
Business and Management Higher Level	5	6	No specific course
Chemistry Higher Level 2016 exam	5	6	Under review
Computer Science Higher Level	5		Under review
Economics Higher Level	5	8	ECON 1100 and ECON 1200
Foreign Language B Higher Level	5	8	No specific course
Geography Higher Level 2019 exam	5	4	Under review
History 2017 exam	5	8	Under review
Mathematics Higher Level 2014 exam	5	6	MATH 120 and MATH 122
Classical Languages Higher Level 2016 exam	5	8	Under review
Philosophy Higher Level	5	8	No specific course
Physics 2016 exam	5		Under review
Psychology Higher Level	5	4	No specific course
Social and Cultural Anthropology Higher Level	5	6	No specific course
Theatre Higher Level 2016 exam	5	3	Under review
Visual Arts 2016 exam	5	6	Under review

*Note: Students studying for the Bachelor of Arts in Liberal Studies do not follow the regular University Core pattern.*

*\* IB credit does not count for most graduate Health Professions and Dental schools. Students intending to pursue pre-medical studies should fulfill major requirements at LMU.*

## **Graduate Admission**

### **Ed.D. in Educational Leadership for Social Justice, Master's Degree, and Credential**

Loyola Marymount University welcomes applications from students without regard to race, color, gender, creed, national origin, disability, marital status, or religion. All prospective graduate students are expected to provide evidence of suitable preparation

for graduate-level work. Applicants interested in the doctoral or master's programs must have received a bachelor's or a master's degree from a college or university that has been accredited as a degree-granting institution recognized by the Commission on Recognition of Postsecondary Accreditation (CORPA). The bachelor's or master's degree must have been awarded by the institution where final coursework was completed. School of Education applicants must also have their bachelor's or master's degree awarded from a regionally accredited college or university.

All applicants for a doctoral, master's, and the California Credential programs must supply the following admission materials:

Application for admission plus the application fee (\$50.00) and two official transcripts of all colleges and universities attended. Most programs require additional materials, including standardized test scores, a personal statement, and letters of recommendation. Candidates will be considered for admission, provided all required documents have been received. Further details on the admission procedure, application deadlines, and departmental prerequisites are given in the section dealing with the respective programs. A student who wishes to apply for admission to a program after the closing date for applications should contact the program director for permission to file an application.

## **Additional Admission Requirements for International Students**

1. International applicants who have completed their postsecondary education from a college or university outside of the U.S. must hold a degree from a university recognized by the Ministry of Education as a degree granting institution in the country where the institution is located. All international applicants must have their transcripts translated and evaluated by a U.S. transcript evaluation service before the application is considered for admission. For applicants to the Frank R. Seaver College of Science and Engineering, School of Education, School of Film and Television, and Marital and Family Therapy program, a **detailed** transcript evaluation identifying GPA must be submitted with the application.
2. All applicants must take the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) unless they received a high school diploma or a bachelor's degree in the United States. Exceptions to this rule may be made for students from countries where English is one of several official languages, as well as at the discretion of the program director or school dean. The minimum TOEFL score for admission into most graduate programs is 100 internet-based (IELTS Overall Band Score of 7) except for programs within the Frank R. Seaver College of Science and Engineering, which require a minimum score of 79 internet-based (IELTS Overall Band Score of 6.5). Please request that ETS send your scores to LMU Graduate Admission. The Institution Code for LMU is 4403.  
If after admission to a graduate program the applicant's proficiency in English should prove inadequate, the University reserves the right to require additional proficiency in English, and failure to comply will result in disqualification from the graduate program.
3. The applicant must also file with the University a certified statement showing financial ability to cover all obligations for the full period of time for which the student is making application. This statement should be from either a United States bank or agency or an international bank. The United States Department of Immigration and Naturalization Form I-20 Certificate of Eligibility will not be issued by the University until such documentation is on file in the Office for International Students and Scholars (OISS). Tuition, books, etc., plus living expenses amount to between \$25,000 and \$40,000 a year or more depending on the program selected.
4. The applicant must comply with passport and visa requirements as set down by the United States Immigration Service. International students must be continuously enrolled during the academic year to meet visa requirements.
5. All admission requirements should be received ninety days prior to the term for which application is being made.
6. An international student cannot be issued an I-20 Certificate of Eligibility as a non-degree graduate student.
7. All international students are required to pay a \$500 commitment deposit, with the caveat that if visas are denied, deposits will be refunded. MBA and EMBA will continue to charge their current rate of \$1000 in commitment.

## **Non-Degree Status**

Students who are not pursuing a formal graduate program but who are eligible to take graduate-level courses at LMU may apply for non-degree status. In addition to filing the Application for Non-Degree Graduate Status, students should attach official copies

of transcripts to verify receipt of a degree and that all prerequisites have been met. The Graduate Division reserves the right to request additional transcripts when necessary.

## **Application Deferment**

Students may defer for up to one year from all programs, after which it will be at the discretion of the program directors. They must submit a compelling written statement as to why they are requesting a deferral. The deferral letter should indicate they understand that scholarship awards are not guaranteed for future terms.

If the program requires a deposit, the student must submit the deposit in order to be considered for deferral.

## **Reapplication Procedures for a Second Degree**

A student who has completed one Master's or credential program and wishes to enter another must file a formal application form with the Graduate Admission Office. A student who has completed a credential program at LMU and wishes to apply for a Master's program must file a formal application form with the Graduate Admission Office. Application fees are waived for all LMU alumni.

## **Readmission**

A student wishing to return to the University after two years in which he or she was not enrolled must reapply for admission through the Graduate Admission Office and will be evaluated on the same conditions as all other new students.

## **Current Students**

Students who do not remain in good academic standing will have a hold placed on their registration for the following semester.

## **Immunization Record for Graduate Students**

New graduate students entering the University who were born after 1956 are required to return a completed Immunization Record to the Student Health Center. All new students entering the University must show results of a Tuberculin Skin Test given within the last year. ALL immunizations must be current and physician-verified. Students with incomplete forms will have their registration withheld for the following semester until the completed Immunization Record has been received by the Student Health Center.

In addition, all international students must submit their immunization records to the Student Health Center. Students with incomplete forms will have their registration withheld for the following semester until the completed form has been received by the Student Health Center.

# Financial Aid

## Undergraduate Financial Aid

The mission of Loyola Marymount University's Financial Aid Office is to provide students access to financial resources to assist them in achieving their educational goals. The Financial Aid Office administers federal, state, institutional, and private financial aid programs to help students meet the educational costs to attend Loyola Marymount University.

The Financial Aid Office, located in the Von der Ahe Building, Ste. 270, welcomes visitors from 8:00 a.m. to 5:00 p.m. Monday through Friday. The telephone number is 310.338.2753, and the fax number is 310.338.2793. Visit the Financial Aid Office website at <http://financialaid.lmu.edu> for the most current information on financial assistance.

## Application Procedures

### Entering Freshmen and Transfer students:

Students can apply for financial aid by completing the required forms prior to being formally admitted:

1. The Free Application for Federal Student Aid (FAFSA), available at <http://www.fafsa.ed.gov>.
2. **California residents only:** applications for the Cal Grant must complete the FAFSA and complete Cal Grant GPA Verification Form by the deadline established by the California Student Aid Commission at <http://www.csac.ca.gov/>.

Visit the financial aid website at <http://www.lmu.edu/financialaid> for current year application and program deadlines.

### Non-degree credential and post-baccalaureate pre-medical students:

Non-degree credential or post-baccalaureate pre-medical students are considered 5th year undergraduates and complete the Free Application for Federal Student Aid (FAFSA) at <http://www.fafsa.ed.gov>. Students should indicate their grade level on the FAFSA as Teaching Credential (non-degree program) or 5th Year undergraduate. Parent information may be required on the FAFSA.

### Continuing Undergraduates:

LMU requires all continuing undergraduates who have received aid in a prior year at LMU to complete the following: the Free Application for Federal Student Aid (FAFSA) at <http://www.fafsa.ed.gov>.

Visit the financial aid website at <http://www.lmu.edu/financialaid> for deadlines.

## General Eligibility

To receive financial aid:

Students must be enrolled in a degree program or eligible non-degree program at Loyola Marymount University. Students working towards a second Bachelor's degree are only eligible for the Federal Subsidized and Unsubsidized Stafford loan programs.

Students must have received a high school diploma or the equivalent of a high school diploma such as a General Education Development (GED) certificate, have completed homeschooling at the secondary level as defined by state law or have completed

secondary school education in a homeschool setting which qualifies for an exemption from compulsory attendance requirements under state law, if state law does not require a home-schooled student to receive a credential for their education.

Students must be enrolled full-time to be eligible for most University-funded financial aid programs. Eligibility for federal and California state grant programs require at least half-time enrollment. Students who enroll less than half-time are generally only eligible for the Federal Pell Grant.

Students must be U.S. citizens, permanent residents, or other eligible non-citizens and meet other program eligibility requirements to be eligible for federal, state, and University-funded financial aid programs. Limited scholarships and assistantships are available for international students.

Students must not owe a refund from any federal grant or loan or be in default on any federal loan.

Students required to register with Selective Service must register.

Students must make satisfactory academic progress.

## Financial Aid Communications

The Financial Aid Office primarily communicates with students electronically. Students are notified of information regarding their aid application via their LMU email and MyLMU, LMU's online portal which provides access to various campus systems.

## Maintaining Eligibility for Financial Aid

### Satisfactory Academic Progress (SAP)

To be eligible for federal, state, and University financial aid programs, students are required to make satisfactory academic progress.

These standards are separate and distinct from the University's Academic Degree Requirements and Policies as stated in the University Bulletin.

These guidelines are in accordance with those required by federal regulations for recipients of federal grant, work, and loan programs, including the Federal Direct Parent (PLUS) Loan. These standards also apply to state aid or state-funded financial aid programs in accordance with the State of California.

Recipients of LMU tuition benefits who are not receiving any other federal, state, or University funds are not bound by these guidelines.

Undergraduate, teaching credential and post-baccalaureate students must:

- maintain a minimum semester and cumulative grade point average of 2.00
- if enrolled full-time, complete 67% of attempted hours.  
**Note:** Recipients of Merit scholarships are required to maintain the minimum grade point average stated in their academic scholarship award letter.
- not exceed the maximum timeframe to complete an undergraduate degree, 150% of the required semester hours (120) = 180 semester hours.

## Grades

Grades of F, NC, AU, and W do not count in calculating the minimum grade point average. Grades of I (Incomplete) or IP (In Progress) temporarily will not be counted until the final grade is posted. Students must comply with the requirements to convert an I or IP to a permanent grade according to the requirements as stated in the University Bulletin.

## Withdrawals

Students who withdraw from all coursework or take a leave of absence and later enroll in a subsequent term retain the SAP status held during their last term of enrollment.

## Transfer Student Course Evaluation

Transfer students are evaluated based on the number of units accepted at admission to determine their maximum time frame to receive financial aid.

## Repeat Coursework

A student who receives federal financial aid (Title IV funds) must follow Repeat Coursework rules in order to be considered as meeting enrollment requirements for financial aid eligibility and satisfactory academic progress. The federal regulations are listed below:

- A student may repeat a previously passed course once.
- A student may repeat a failed course until the student passes the course.
- A student, who passes a course but does not meet the grade requirement established by the college or school, may only repeat the course one time.
- A student who earns a passing grade in a course and chooses to retake the course a second time earning a grade of "F" or "W" may not take the course a third time and that course be considered as enrollment of federal financial aid programs.
- A student may repeat a course as an independent study, special topics, film genre, etc., as long as the subject matter is different for each course and the institution awards new credit each time.

## Maximum Time Frame to Complete Degree

Students must complete their degree within 150% of the published credit hours required to graduate. For example, an undergraduate student in a program requiring 120 semester hours to complete must meet all graduation requirements by 180 semester hours.

**Important:** The maximum time frame to complete degree requirements does not override institutional, federal, or state financial aid programs that have a maximum period of eligibility. For example, University funded aid programs and the Cal Grant are available for a maximum of eight semesters. Students should refer to the Academic Degree Requirements and Policies section of the University Bulletin for information on the recommended course load required to complete their degree requirements in eight semesters (4 years).

## Satisfactory Academic Progress Review Process

All students receiving financial aid are reviewed for satisfactory academic progress at the end of each term of enrollment.

## SAP Warning

Students enrolled for the summer are reviewed after the end of the second summer session. Students failing to meet these requirements for the first time receive a "SAP Warning" Notice. Students are eligible for financial aid for their next term of enrollment while on Warning status.

## **Financial Aid Probation**

A student who has received a "SAP Warning" and does not meet the minimum requirements after their next term of enrollment is not eligible to receive financial aid. The student may submit a **Satisfactory Academic Progress Appeal** to the Financial Aid Office. This appeal must detail why the student was unable to meet minimum satisfactory academic progress requirements and the steps being taken to meet the minimum requirements and regain eligibility. If the appeal is approved the student is placed on **Financial Aid Probation** for one term. Students who cannot meet the minimum requirements within one term are encouraged to meet with an academic advisor to prepare an academic contract which outlines the terms and period that will allow the student to meet the minimum requirements.

## **Withdrawals--Impact on Financial Aid**

Students who withdraw from all coursework will have their tuition charges adjusted based on their date of withdrawal. Current information on University tuition refund policies is available at <http://www.lmu.edu>.

Housing and University meal plans will be adjusted according to the terms set by the housing office and meal plan contracts. Students should contact the Student Housing Office and Student Accounts for specific refund information.

Students receiving financial aid who decide to withdraw from all coursework during a term are required to notify the Office of the Registrar and the Financial Aid Office. Federal financial aid will be adjusted according to federal regulations known as **"Return of Title IV Aid."**

University- and state-funded programs will be adjusted according to University and state policies.

## **Unofficial Withdrawal**

Students who do not receive a passing grade in any coursework, i.e., all F's or combination of F's and W's may be required to return all or a portion of their financial aid if it is determined that the student stopped attending without notifying the University. Official documentation will be requested to determine when the student last participated in an academically related activity and financial aid will be returned according to federal, state and institutional policies. This may result in the student owing a balance to the University.

For detailed information on how financial aid is adjusted based on withdrawal, visit <http://www.lmu.edu/financialaid>.

## **Financial Aid: Fraud**

Any fraudulent use of financial aid funds is cause for immediate suspension or dismissal, as well as discontinuance of future financial aid. This includes, but is not limited to, fraudulent statements on Financial Aid forms, tax documents, and student MyTime for both hours worked and approvals obtained.

## **Programs of Assistance for Undergraduates**

### **Academic Scholarships for First Time Freshmen**

Loyola Marymount University offers a wide range of academic scholarship programs to recognize and reward the scholastic accomplishments of our most distinguished entering freshmen. Scholarship selection is coordinated by the Office of Undergraduate Admission, in consultation with LMU's faculty and administration. Detailed information on these programs is available on the Financial Aid Office website at <http://www.lmu.edu/financialaid>.

Receipt of an Academic Scholarship does not preclude consideration from financial aid awarded by the Financial Aid Office but must be coordinated according to federal, state, and University policies.

## Grants

**LMU Grants** are merit/need-based grants awarded to students who meet all federal and University eligibility requirements. Students must complete the FAFSA to apply, meet LMU's priority funding deadlines, and comply with all requests for additional documentation to be considered.

The **Federal Pell Grant** program is a federal aid program designed to provide financial assistance to eligible students for postsecondary studies. The amount of the Pell Grant is determined based on financial need as determined from the FAFSA, cost of attendance and enrollment status.

**Federal Supplemental Educational Opportunity Grant (FSEOG)** program is designed to assist those students who would not otherwise be financially able to pursue an undergraduate course of study. The amount of the grant is determined by reviewing the student's financial resources and also the resources of the parents. Students must be eligible for the Federal Pell Grant and, like other grants, this grant does not have to be repaid.

**Cal Grants** eligibility is determined by the California Student Aid Commission. All undergraduates who are residents of California are encouraged to apply. Cal Grants can be applied towards tuition and fees. For detailed information on Cal Grants, visit <http://www.calgrants.org>.

## Scholarships

There are additional scholarships available to LMU students. Most scholarships are awarded by the Financial Aid Office and do not require that students complete a special application. Scholarships that require a separate application are provided at <http://www.lmu.edu/financialaid>.

## Student Employment

The **Federal Work Study** program is another source of employment for students who qualify based on financial need. This program is funded jointly by the Federal Government and the University. It is designed to create jobs for students at the University, such as library researchers, teaching assistants, laboratory technicians, intramural referees, team managers, etc. Under the Work Study Program, most students will be awarded funds to average 10-15 hours of work per week during the term. Students are hired for part-time positions for the entire academic year, and they may earn up to the amount listed on their current financial aid award letter.

**Loyola Work** is a University-funded non-need work program. Funding for this program is limited and may not be awarded to those students who do not meet LMU priority funding deadlines.

The **Student Worker** program is an employment program designed to give students the opportunity to earn a majority of their education expenses by working on campus. The Student Worker Organization is an autonomous group that is primarily student-directed and operated. Selected students must live on campus. Jobs include maintenance, recycling, and clerical and miscellaneous tasks for departments on campus. More information on this program is available at <http://www.studentaffairs.lmu.edu/activitieservice/studentleadershipdevelopment/studentworkerprogram>.

Student Employment Services provides employment assistance to the students of Loyola Marymount University including part-time jobs ranging from 10-20 hours a week, part-time/full-time seasonal work during the Christmas and summer vacations, temporary jobs on an hourly basis, and tutoring positions within the student's major field of study. These services are for all students regardless of their financial need. They are primarily off-campus positions.

## Loans

All federal loans require that the student complete the Free Application for Federal Student Aid (FAFSA) and comply with any requests for additional information.

**Federal Subsidized and Unsubsidized Direct Stafford Loans** are a low-interest federal loan for students.

The **Federal Direct Parent (PLUS) Loan** is a low-interest federal loan made to creditworthy parents.

**LMU Institutional Loans** are low interest loans offered to students from private funds provided to the University.

**Private (Alternative) Loans** are loans certified for creditworthy students who complete the application process with a lender of their choice. Alternative loan counseling with the Financial Aid Office is also required.

For information on loan terms and the application process for these loan programs, visit <http://www.lmu.edu/financialaid>.

## Graduate Financial Aid

The mission of Loyola Marymount University's Financial Aid Office is to provide students access to financial resources to assist them in achieving their educational goals. The Financial Aid Office administers federal, state, and private awards as well as institutional awards that are selected in conjunction with the Graduate Division.

## General Eligibility

Students must be U.S. Citizens, permanent residents, or other eligible non-citizens to be eligible for federal, state, and institutionally-funded financial aid programs and meet other eligibility requirements. Limited scholarships and assistantships are available for international students.

Students must be enrolled in a Doctoral, Master's, Credential, Post-baccalaureate or eligible Certificate Program as degree-seeking students at Loyola Marymount University to receive financial aid administered by the Financial Aid Office. Non-degree credential and post-baccalaureate students are considered 5th year undergraduates for the purposes of financial aid.

**A graduate student is eligible to receive federal and/or state financial aid if enrolled at least half-time in graduate level coursework as required by his/her program. Only courses numbered in the 500s, 600s, 5000s, 6000s, and 7000s are considered graduate level.**

## Master's Degree and Doctoral Students not Completing Dissertation

Fall Semester, Spring Semester, and Summer Sessions (combined):

Full-Time: 6+ semester hours

Half-Time: 5-3 semester hours

Less Than Half-Time: 2-0 semester hours

## Non-Degree Credential (Credential Only)

Fall Semester and Spring Semester:  
Full-Time: 12+ semester hours  
Half-Time: 6-11 semester hours  
Less Than Half-Time: 5-0 semester hours

## **Pre-Medical Post-Baccalaureate Program**

Fall Semester and Spring Semester:  
Full-Time: 12+ semester hours  
Half-Time: 6-11 semester hours  
Less Than Half-Time: 5-0 semester hours

Summer Sessions (combined):  
Full-Time: 6+ semester hours  
Half-Time: 5-3 semester hours  
Less Than Half-Time: 2-0 semester hours

## **Doctoral Students Completing Dissertation**

Fall Semester, Spring Semester, and Summer Sessions (combined):  
Full-Time: 2 semester hours

Students must not owe a refund from any federal grant or loan or be in default on any federal loan.

## **Application Procedures**

### **Grants and Scholarships**

All students, including International students, interested in Loyola Marymount University grants, scholarships, or assistantships offered through the Graduate Division, are encouraged to apply by submitting the appropriate application. For additional information pertaining to grants, scholarships, or assistantships, please contact the Director of your graduate program.

### **Federal and State Aid**

U.S. Citizens, permanent residents, and eligible non-citizens who are interested in participating in federal and/or state aid programs offered through the Financial Aid Office should visit us online at <http://financialaid.lmu.edu> for application information, office hours, contact information, and to review the Frequently Asked Questions.

## **Financial Aid Communications**

Communications from the Financial Aid Office will be primarily electronic in form. The LMU student Lion email account, PROWL, and MyLMU messaging are our primary means of communicating important financial aid information.

- MyLMU (<https://my.lmu.edu>)  
MyLMU provides students with access to various campus systems, e-mail, registration, billing, forms, and communications. MyLMU is accessed by a user name and a password that are automatically generated upon acceptance to LMU. For assistance logging into MyLMU, contact the ITS Help Desk at 310.338.7777.
- PROWL (<http://www.lmu.edu/prowl>)  
PROWL is our online student financial aid resource. Using PROWL, students can view their application status, requests for additional information/documentation from the Financial Aid Office, important messages, and their Financial Aid Award.

# Satisfactory Academic Progress (SAP) and Financial Aid Probation

To be eligible for federal, state, and University financial aid programs, students are required to make satisfactory academic progress. These standards are separate and distinct from the University's Academic Degree Requirements and Policies as stated in the University Bulletin.

These guidelines are in accordance with those required by federal regulations for recipients of federal grant, work, and loan programs. These standards also apply to state aid or state-funded financial aid programs in accordance with the State of California.

Recipients of LMU tuition benefits who are not receiving any other federal, state, or University funds are not bound by these guidelines.

Graduate students must:

- maintain a minimum semester and cumulative grade point average of 3.00
- if enrolled full-time, complete a minimum of three (3) semester hours per semester
- not exceed the five (5) year maximum timeframe to complete a graduate degree.
- Postbaccalaureate and Non-Degree Credential students should refer to the undergraduate section of the Bulletin.

## Grades

Grades of F, NC, AU, and W do not count in calculating the minimum grade point average. Grades of I (Incomplete) or IP temporarily will not be counted until the final grade is posted. Students must comply with the requirements to convert an incomplete to a permanent grade according to the requirements as stated in the University Bulletin.

### Withdrawals

Students who withdraw from all coursework or take a leave of absence and later enroll in a subsequent term retain the SAP status held during their last term of enrollment.

## Repeat Coursework

A student who receives federal financial aid (Title IV funds) must follow Repeat Coursework rules in order to be considered as meeting enrollment requirements for financial aid eligibility and satisfactory academic progress. The federal regulations are listed below:

- A student may repeat a previously passed course once.
- A student may repeat a failed course until the student passes the course.
- A student who passes a course but does not meet the grade requirement established by the college or school may only repeat the course one time.
- A student who earns a passing grade in a course and chooses to retake the course a second time earning a grade of "F" or "W" may not take the course a third time.
- A student may repeat a course as an independent study, special topics, film genre, etc., as long as the subject matter is different for each course and the institution awards new credit each time.

## Maximum Time Frame to Complete Program

The normal time allowed for the completion of graduate degree programs is five (5) years. A student who has not completed the degree within five (5) years must request an extension of time. If the extension is granted by the Program Director or Dean of the student's college or school, the student may be required to undertake additional coursework. Some departments have a shorter limit for the completion of the program. A minimum of 30 graduate semester hours (500 and 600 level) and a minimum of 3.0 ("B") cumulative grade point average are necessary to qualify for completion of a program. See individual program descriptions for specific and additional graduation requirements.

**Important:** The maximum time frame to complete degree requirements does not override institutional, federal or state financial aid programs that have a maximum period of eligibility. For example, Cal Grant TCP is available for a maximum of one (1) year.

Students should refer to the Academic Degree Requirements and Policies section of the University Bulletin for information on the recommended course load required to complete their degree requirements in five (5) years.

## Satisfactory Academic Progress Review Process

All students receiving financial aid are reviewed for satisfactory academic progress at the end of each term of enrollment.

### SAP Warning

Students enrolled for the summer are reviewed after the end of the second summer session. Students failing to meet these requirements for the first time receive a "SAP Warning" notice. Students are eligible for financial aid for their next term of enrollment while on Warning status.

### Financial Aid Probation

If the student does not meet the minimum requirements after his or her next term of enrollment, he or she is not eligible to receive financial aid. Students may submit a **Satisfactory Academic Progress Appeal** to the Financial Aid Office. This appeal must detail why the student was unable to meet minimum satisfactory academic progress requirements and the steps being taken to meet the minimum requirements and regain eligibility. If the appeal is approved, the student is placed on **Financial Aid Probation** for one term. Students who cannot meet the minimum requirements within one (1) term are encouraged to meet with an academic advisor to prepare an academic contract which outlines the terms and period that will allow the student to meet the minimum requirements.

## Withdrawal Calculations

When students receiving financial aid are eligible for a refund or a cancelation of LMU charges, their financial aid funding will also be adjusted. A refund is calculated when a student withdraws from the University, drops out, takes an unapproved leave of absence that will exceed 60 days, is expelled or otherwise does not complete the period of enrollment for which he or she was charged. The financial aid award will be recalculated based on federal refund requirements, and the Controller's Office will be notified. Any resulting charge will be added to the student's account. Any resulting refund, due to a federal financial aid program will be made by LMU for the student.

## Fraud

Any fraudulent use of financial aid funds is cause for immediate suspension or dismissal and criminal prosecution, as well as discontinuance of future financial aid. This includes, but is not limited to, fraudulent statements on financial aid forms or submitted documentation, inaccurate tax returns, and student time cards for both hours worked and signatures obtained.

# Programs of Assistance for Graduate Students

## LMU Graduate Division

Please visit us on the web at <http://www.lmu.edu/gradfinancialaid> to explore the various scholarship, employment, and loan opportunities available for graduate students at LMU through the Division.

## Scholarships

### Departmental Graduate Scholarships

Each graduate program at LMU awards its own departmental scholarships based on financial need and merit. Applications are available online at <http://financialaid.lmu.edu>.

Some departments may require that students complete the Free Application for Federal Student Aid (FAFSA), in addition to the department's Graduate Scholarship Application, in order to be considered. Information on how to complete the FAFSA can be found online at <http://financialaid.lmu.edu>.

Inquiries about the application and/or selection process should be directed to a program's Graduate Director.

### Catholic Teacher/Ministry Fund

Students who work full-time as Catholic school teachers, administrators, or parish administrators are eligible to apply. Students must submit their department's Graduate Scholarship Application with proof of employment attached (e.g., last pay stub, letter from your supervisor on official letterhead) in order to be considered. Additional instructions can be found online at <http://financialaid.lmu.edu>.

Contact the Director of your program if you have questions about the application and/or selection process.

### Endowed and Donated Scholarships

Some programs have additional scholarships available. Consult the Director of your program for information about additional scholarships and the application process.

### Developing Countries Scholarships

Catholic clergy or members of Catholic religious communities from developing countries may apply for full tuition assistance in order to obtain one (1) master's or doctoral degree in any field of study at LMU. Interested applicants should submit a copy of their R-1 visa to the Graduate Division, along with a one (1) page statement of intent. Please contact the Graduate Division at 310.338.2721 or [graduate@lmu.edu](mailto:graduate@lmu.edu) for more information on how to apply for this scholarship.

### Religious Scholarships

Catholic Clergy or members of Catholic religious communities are eligible to receive a scholarship equal to 25% of their total tuition costs. Please contact the Graduate Division at 310.338.2721 or [graduate@lmu.edu](mailto:graduate@lmu.edu) for more information on how to apply for a Religious Scholarship.

## Student Employment

Program assistantships are available through individual programs on a competitive basis. Consult the Director of your program for information about available assistantships.

There are also jobs on campus for which graduate students may apply. Visit us on the web at <http://financialaid.lmu.edu> for application information, or contact the Graduate Division at 310.338.2721 directly for more information.

## **LMU Financial Aid Office**

The Financial Aid Office at LMU administers federal, state, and private financial aid programs. Additional information can be found online at <http://financialaid.lmu.edu>.

## **Federal Grants**

### **PELL Grant**

Non-degree credential students that have not exhausted their undergraduate lifetime PELL Grant eligibility and who qualify for a PELL Grant will be automatically awarded.

The Federal PELL Grant program is a federal aid program designed to provide financial assistance to eligible students for postsecondary studies. The amount of the PELL Grant is determined based on financial need as determined from the FAFSA, cost of attendance and enrollment status.

## **State Grants**

### **Cal Grant TCP**

Students who received a Cal Grant A or B as an undergraduate and begin an Elementary or Secondary teaching program within 15 months of their last Cal Grant payment, may apply to renew their Cal Grant for one (1) additional year. School of Education students participating in a specialized cohort program who receive a Cal Grant A or B extension will be awarded Cal Grant first, not to exceed their specialized cohort's total scholarship commitment. Complete a G-44 renewal form available at <http://www.calgrants.org>.

## **Federal Student Employment**

### **Federal Work-Study**

LMU employs students each year to work on campus in a variety of jobs. To receive Federal Work-Study, you must complete the FAFSA and meet financial need and eligibility requirements. Funding to hire students is limited, and eligible students are awarded upon request as funding permits.

## **Federal Direct Loan Programs**

### **Federal Direct Unsubsidized Stafford Loans**

All students who complete the FAFSA and meet federal eligibility requirements will be offered an Federal Direct Unsubsidized Stafford loan. This means that the borrower is responsible for the interest from the time the loan is disbursed. While enrolled at least half-time, a borrower may defer interest payments and capitalize the interest.

### **Federal Direct Parent and Graduate/Professional Student PLUS Loan**

The Federal Direct PLUS Loan program is designed to help bridge the gap between the financial aid a student is awarded and the cost of attendance. In order to apply for a PLUS Loan, borrowers must complete the FAFSA and be creditworthy. Students may borrow up to the LMU standard cost of attendance, minus all other financial aid a student has received.

**Reminder:** A graduate student must be enrolled at least half-time, as determined by his/her program level, in order to receive federal financial aid. Students may not borrow in excess of the annual Federal Direct Loan borrowing limits as determined by the federal government.

For information on loan terms and the application process for these loan programs, visit <http://financialaid.lmu.edu>.

For more details on all federal loan programs visit the Federal Student Aid Web site at <http://www.studentaid.ed.gov>.

## Private (Alternative) Loan Programs

Private loans are educational loans available from the private sector. The interest rate on these loans varies by lender, and eligibility is based on creditworthiness of the student or student's co-borrower. Eligible students are encouraged to apply for all federal and institutional financial aid programs including the Federal Direct Graduate PLUS Loan, **before** considering a private educational loan. The maximum a student may borrow in a private loan is LMU's standard cost of attendance, minus all other financial aid a student has received.

All students interested in borrowing a private loan must meet with a Financial Aid Counselor to complete Alternative Loan Counseling.

For more information regarding the loans available to graduate students at LMU, please visit the Financial Aid Office online at <http://financialaid.lmu.edu>.

## Federal and State Teacher Loan Forgiveness Programs

### Federal Perkins Loan Cancellation

Borrowers may qualify for cancellation (discharge) of up to 100% of a Federal Perkins Loan if they have served full-time in a public or nonprofit elementary or secondary school system as a

- Teacher in a school serving students from low-income families; or
- Special-education teacher, including teachers of infants, toddlers, children, or youth with disabilities; or
- Teacher in the fields of mathematics, science, foreign languages, or bilingual education, or in any other field of expertise determined by a state education agency to have a shortage of qualified teachers in that state.

For more information or to obtain an application, contact the office that administers the Federal Perkins Loan program at the school that holds your loan.

### Teacher Loan Forgiveness (TLF)

TLF is a federal program to assist teachers in repayment of Federal Stafford and Direct Loans. Eligible loan borrowers must have been employed as teachers for five years in a qualified teaching service area. For more information, visit <http://studentaid.ed.gov>.

## AmeriCorps Education Award

Students who participate in the AmeriCorps service program must request their AmeriCorps Education Award payment online at <http://my.americorps.gov>. The Education Award will be electronically transferred to their student account at LMU, 7-10 business days from the date payment is requested.

# Tuition and Fees

The tuition charge supports the instructional program and general operating and administration of the University, such as ordinary health services, various counseling services, lectures, intercollegiate athletic events, and the library. Tuition is charged based on primary curricula.

Other fees may exist that are not listed within each heading. Fees are subject to change without notice. Generally, fees are indicated based on enrolled status. The University reserves the right to change, delete, or add to this pricing schedule as deemed appropriate.

For further information, please contact the Controller's Office at 310.338.2711 or at [studacct@lmu.edu](mailto:studacct@lmu.edu).

The following is information for the 2020-2021 academic year.

## Regular Tuition

### Undergraduate Full-Time Students

(programs of 12 or more semester hours):

per academic year	\$51,820
per semester	\$25,910

### Graduate Tuition per Semester Hour

Doctorate School of Education	\$1,733
EMBA	\$103,000 per program
MBA	\$1,450
Other College of Business Administration Programs	\$1,450
MFA Performance Pedagogy	\$1,324
MS in Accounting	\$1,100
Seaver College of Science and Engineering	\$1,385
School of Film and Television	\$1,385
Marriage and Family Therapy	\$1,385
School of Education	\$1,390
Bellarmino College of Liberal Arts	\$1,315
All Other Graduate Programs	\$1,315
Auditors	

*cost is approximately 25% of the regular per semester hour cost.*

*Contact Student Financial Services for more information*

*studacct@lmu.edu*

## Special Tuition

### Part-Time Undergraduate Students

(Semester hour rate for 11 semester hours or less):

#### Undergraduate Students

per semester hour \$2,163

#### Auditors

per semester hour \$543

#### Post-Baccalaureate Pre-Med

per semester hour \$750

## Residence Hall Fees

Housing Processing Fee/Deposit \$450

This mandatory deposit is applied to the room charge but is forfeited by those who fail to register and complete their Housing Arrangements.

#### Desmond, Doheny, Whelan, and Rosecrans Halls

Fall semester \$5,405

Spring semester \$5,405

#### McKay Hall

Fall semester \$5,745

Spring semester \$5,745

#### McCarthy and Rains Halls

Fall semester \$5,745

Spring semester \$5,745

#### Del Rey North/Del Rey South

Fall semester \$5,405

Spring semester	\$5,405
Palm North	
Fall semester	\$5,730
Spring semester	\$5,730
Palm South	
Fall semester	\$7,296
Spring semester	\$6,479

These are standard housing rates. Housing cost applies to the academic year only. Additional costs may be associated with non-standard living accommodations. Students who live on campus during recess periods will be charged a daily rate as indicated in their lease agreement. Summer Session Housing fees are additional. Please refer to your housing license agreement for the applicable rates for special accommodations. Please visit the Student Housing Office website for more information.

## Apartment Fees

The University has beds in completely furnished apartment-style residence halls on campus. Each apartment accommodates four students in two bedrooms with adjoining bath and a living room with a pullman-style kitchen.

### Tenderich Apartments

Fall semester	\$6,801
Spring semester	\$6,039

### Hannon, O'Malley, Leavey 4, Leavey 5, and Leavey 6 Apartments

Fall semester	\$6,883
Spring semester	\$6,112

Apartments are open during recess and semester breaks.

## Board Programs

The various plans are referred to as LION Dollar Plans. All students living in non-apartment residences are required to purchase a plan. Special dietary food may be obtained by arrangement. Four plans are offered by Sodexo Food Services. Each plan contains LION dollars, which are declining balance accounts. The L, I, and O plans also offer LION points per semester.

LION Dollar Plans are not refundable.

Plan L, per academic year	\$4,675
Plan I, per academic year	\$4,245
Plan O, per academic year	\$3,815
Plan N, per academic year	\$3,385

L, I, O, and N plans can be changed only during the third week of classes in Fall. New students only entering in Spring may change their meal plan during the third week of the Spring semester.

S Dollars are supplemental Lion Dollars that can be purchased anytime during the semester in any increment and are tax-free for all food purchases. Please visit, or contact the OneCard Office at 310.338.2735 for additional information.

Meal plans are managed by the Student Housing Office. Please visit their website: <http://studentaffairs.lmu.edu/housing/studenthousing/> for more information.

(These rates are subject to change.)

## Other Fees

Admission Application Fee

(undergraduate)

\$60 n

Admission Application Fee

(graduate)

\$50 n

Tuition Deposit

\$250 n

The commitment deposit is required by all new freshmen and transfer students admitted. This deposit will be applied to tuition and fees charged to the account.

Commitment Fees, Graduate

(non-refundable)

varies per d

Health Service use per semester, graduate students (optional)

College of Business Administration Graduate Student Association Fee (including MBA, MSA in Accounting, MS in Business Analytics, MS in Management, MS in Systems Engineering, and EMBA), required per semester

(The CBA graduate student activity fee supports student and alumni social events, professional development, clubs and organizations, and CBAGSA governance activities.)

New Student Fee (non-refundable mandatory for entering freshmen and transfers)

Fall entry

Spring entry

Registration Fee, per semester (mandatory) assessed each term to all students

School of Education Comprehensive

Exam Fee

School of Education ePortfolio

(one-time fee)

School of Education TPA Fee

Accident Insurance Year (mandatory for 7 or more semester hours)

Spring Entry Accident Insurance (mandatory for 7 or more semester hours)

Student Health Insurance (mandatory for 7 or more semester hours, unless proof of coverage provided)

Spring Entry Student Health Insurance (mandatory for 7 or more semester hours, unless proof of coverage provided)

Tuition Refund Insurance

Student Activity Fee (mandatory for full-time undergraduates)

per academic year

part-time enrollment

\$9 per semester

Student Recreation Facility Fee (mandatory for all full-time undergraduate students, voluntary for all part-time and graduate students)

per academic year

Media Fee

per academic year

International Student Fee

per semester

Graduate Student Activity Fee

per semester

Parking Fee

per semester

Please visit the LMU Parking and Transportation website at <https://admin.lmu.edu/parking/> for more information.

## Miscellaneous Fees

*Generally all miscellaneous fees are non-refundable unless stated otherwise and due when charged to your Student Account.*

Collection Cost	\$100 minimum 40% of the outstanding balance
Credit by Examination	\$75
5-Month Check Mailing Payment Plan Fee per semester	\$150
5-Month Auto-Deduction Payment Plan per semester	\$50
Degree Application Fee	\$145

Directed Teaching Fee, per semester hour:

Elementary	\$25
Secondary	\$25
Equipment Insurance Fee	\$5
Late Payment Plan Enrollment Fee (per semester)	\$100
Late Payment Fee (monthly)	\$100
Replacement Charge for OneCards	\$15
Returned Check Charge	\$35
Rush Transcript	\$10
Teacher Placement Fee	\$30
Thesis or Project Binding Fee, Graduate	\$26 mandatory

Certain courses may also require mandatory laboratory fees. Check with departments.

Any unpaid fines or charges (such as parking, library, property damage) or any miscellaneous charges incurred by a student while in attendance at the University will be charged to the student's account. Certain fees deemed optional are required to obtain that good or service.

The tuition, fees, and other charges described above are good faith projections for the academic year. They are, however, subject to change from one academic term to the next as deemed necessary by the University in order to meet its financial commitments and to fulfill its role and mission.

There are other fees and charges unique to certain programs that are dependent upon a student's matriculation at the University. These fees or charges may be determined by contacting the University offices that administer those programs or activities in which the student intends to enroll or engage.

## 2020-2021 Undergraduate Estimated Cost of Attendance

Since each student may elect various services with associated charges, it is not possible to determine precisely all student charges before registration. However, the following schedule estimates the charges for one academic year for a typical freshman undergraduate resident exclusive of entertainment, injury insurance, or other personal costs. Your actual cost may vary.

Full-time Undergraduate Students	Living On Campus	Living Off Campus, NOT with Parents or Relatives	Living Off Campus with Parents or Relatives
Estimated Tuition and Fees	\$50,252	\$50,252	\$50,252

Estimated Average Room and Board	\$15,030	\$15,084	\$6,786
Estimated Direct Loan Fees	\$70	\$70	\$70
Estimated Parking and Transportation	\$864	\$1,278	\$1,134
Estimated Books and Supplies	\$1,971	\$1,971	\$1,971
Estimated Personal Expenses	\$2,853	\$3,996	\$3,564
<b>Total Estimated Cost</b>	\$71,040	\$72,651	\$63,777

Note: Refer to your specific program for actual costs and fees.

Estimate assumptions for illustration: Assumes Lion Dollars O Plan for on-campus residents. (Average apartment rate used for apartment residents.) Actual Financial Aid Budget may vary due to individual variation in enrollment, fees, and personal circumstances.

## Summer Tuition

Summer Tuition Undergraduate	\$1,621	per semester hour
Summer Tuition Doctorate	\$1,733	per semester hour
Summer Tuition Graduate Bellarmine College of Liberal Arts	\$1,315	per semester hour
Summer Tuition MBA and MBA Certificate	\$1,450	per semester hour
Summer Tuition MS in Accounting	\$1,100	per semester hour
Summer Tuition Marriage and Family Therapy	\$1,385	per semester hour
Summer Tuition Graduate Frank R. Seaver College of Science and Engineering	\$1,385	per semester hour
Summer Tuition Graduate School of Film and Television	\$1,385	per semester hour
Summer Tuition Graduate School of Education	\$1,390	per semester hour
Summer Tuition All Other Graduate Programs	\$1,315	per semester hour
Summer Registration Fee	\$65	per session

Parking Fee	\$240	
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## Payment of Student Charges

To make a payment or enroll in a payment plan, please visit the Student Accounts Center accessible via MyLMU, PROWL, or through the Student Accounts website: <http://www.lmu.edu/StudentAccounts>. Tuition, fees, and board charges are payable by the semester. **Financial clearance is necessary and subject to Late Financial Fee after the deadline.** Clearance may be obtained from the Office of Student Financial Services at the time of payment or by making arrangements for the payment plan described below.

Registration for classes may be canceled for any student whose payment for tuition or fees is returned unpaid from the bank or who has defaulted on payment arrangements.

Financial clearance cannot be granted, and registration will not be permitted, if a student's account is delinquent.

Failure to pay tuition and other outstanding debts will result in the withholding of the academic transcript. The student diploma will not be released until all debts are satisfied in full. Students are prohibited from future registrations due to delinquent accounts.

In the event of payment default of non-payment of charges, the account may be submitted to an external collection agency. The student is responsible for the expenses of collection, including, without limitation, reasonable attorney's fees and collection costs. Unpaid accounts are also reported to national credit bureaus.

## Health Insurance

The annual Health Insurance fee of \$2,467 is mandatory for students who are taking 7 or more semester hours. Students may waive coverage by completing the online waiver at <http://www.aetnastudenthealth.com>, beginning in July. Please visit the Student Accounts website at <http://www.lmu.edu/StudentAccounts> for specific dates. Students entering for the first time or returning to the University during the Spring semester and taking 7 or more semester hours will be charged a prorated amount for the Spring semester unless a waiver form is submitted to the Office of Student Financial Services by the deadline listed on our website.

International (Visa) students must have health insurance coverage regardless of the number of semester hours in which they are enrolled.

Please refer to the Aetna Student Health brochure for additional major medical, dependent and spousal coverage.

(Accident Insurance is mandatory for all students registered for 7 or more semester hours and may not be waived.)

## **Tuition Refund Insurance**

LMU has arranged with A.W.G. Dewar, Inc. to provide a Tuition Refund Insurance Plan that will provide coverage for tuition costs if medical problems, including mental health, require withdrawal from school before a semester ends.

All undergraduate students will be automatically enrolled in the Tuition Refund Insurance Plan. The charge for the Plan is \$165 per semester and will be included in the first bill of each Fall and Spring semester. The Plan does not cover Summer sessions.

Students who do not wish to participate in the Tuition Refund Insurance Plan can opt out by waiving coverage for the entire academic year through the online Tuition Refund Insurance Plan waiver process beginning July 1. Students need to log on to <http://tuitionprotection.com/lmu> and click on the tuition insurance waiver icon. The deadline for opting out of the Tuition Refund Insurance Plan is August 30, 2020, by 5:00 p.m. PST.

Graduate students who wish to purchase the plan may do so by visiting the Dewar's website at <http://www.collegerefund.com>.

## **Payment Plan Options**

### **Full Payment by Year**

This payment plan is only available to undergraduate students and only those undergraduate students who would like to make one payment, in full, for the entire academic year including the Fall and Spring semesters. Payment in full must be received by the published payment deadlines.

### **Full Payment by Semester**

This payment plan is a semester plan open to all students, undergraduate and graduate, who would like to make one payment, in full, for the entire semester minus any incoming financial aid. Students enrolling in this plan will need to pay in full prior to the start of each term by the published payment deadlines.

### **5 Month--Automatic Checking Deduction**

This payment plan is a semester plan open to all students, undergraduate and graduate, who would like to make five monthly payments via automatic deduction from a checking/savings account. Automatic deductions are required for this payment plan. This plan is subject to a setup fee of \$50.00 per semester, which will be charged once the student enrolls in the plan.

### **5 Month--Check Mailing**

This payment plan is a semester plan option to all students, undergraduate and graduate, who would like make five monthly payments by mail, in-person at the Student Accounts Office, or online through the Student Account Center. This payment plan is subject to a setup up fee of \$150.00 per semester, which will be charged once the student enrolls in the plan.

## **TFA and PLACE**

TFA and PLACE students have mandatory payment plan options in which they must enroll. Students should see their advisor or the Student Accounts Office for more information.

## Certificate of Eligibility for Veterans

All expenses incurred by a veteran that have not been properly authorized by the Veterans Administration must be paid by the veteran. Therefore, it is the responsibility of every veteran to see that papers are in proper order at the time of the first and each subsequent registration. Also, all veterans who are receiving benefits for educational expenses are required to contact the Office of the Registrar.

The University is required by the Veterans Administration to report failure on the part of the student to complete 75% of the semester hours attempted in any given term. Benefits to a veteran who fails to complete 75% of the semester hours originally enrolled in may be suspended. Failures, withdrawals, and NCs are not recognized as making satisfactory progress.

## Refunds/Cancellation

Refunds for tuition and/or housing are made only after a complete withdrawal or leave of absence from the University (dropping all courses) has been processed by the Office of the Registrar and, in the case of a resident student, also by the Housing Office. For resident students, if the official withdrawal dates from the Office of the Registrar and the Housing Office are different, the respective dates will be used for tuition or housing refunding purposes. See the accompanying table for the allowable refund percentage.

Meal plans are non-refundable. A student should complete the Withdrawal/Leave of Absence form in the Office of the Registrar and, if a resident student, the withdrawal form in the Housing Office.

The University strives to meet the expectations of its students and tries to act compassionately in a time of crisis that interrupts a student's semester studies so that she/he cannot or should not finish the semester. In an attempt to ease the cost of tuition, the refund policy is in place to allow for a sliding refund for those who withdraw from **all** courses in a given semester according to the following schedule. This policy applies to, but is not limited to, the following leave or withdrawal reasons: hospitalization, illness, moving out of the area, employment changes/relocation, and family-related emergencies.

No refund may be given for registered courses which a student did not attend and did not withdraw from within the full refund period. No refund or cancellation is granted to a student who withdraws from a portion of his/her program after the end of the 100% Drop/Add period. Consult the following refund schedule for the academic category corresponding to your enrollment and type of program.

Students, whether undergraduate, graduate, or non-degree, who have paid tuition by the semester hour are eligible for tuition refunds per semester hour, based on the published sliding scale. Full refunds for all other students are contingent upon withdrawal from all classes or from the University. The published sliding scale still applies to this type of refund.

## Fall 2020

<b>Withdrawal %</b>	<b>All Students</b>
100% through	Sep. 4, 2020
90% through	Sep. 11, 2020
70% through	Sep. 18, 2020

50% through	Sep. 25, 2020
25% through	Oct. 23 2020
0% on or after	Oct. 24, 2020

## Spring 2021

<b>Withdrawal %</b>	<b>All Students</b>
100% through	Jan. 15, 2021
90% through	Jan. 22, 2021
70% through	Jan. 29, 2021
50% through	Feb. 5, 2021
25% through	Mar. 5, 2021
0% on or after	Mar. 6, 2021

The University's Federal Aid refund policy complies with the Higher Education Amendments Act.

## Refund Payments

Refund credits are applied to the student's account. Refunds of credit balances will be made in accordance with Federal guidelines. Refunding of credit balances is subject to a holding period until verification that funds received have cleared the University's bank. Refund payments are issued in the name of the student unless written authorization from the student is received to the contrary.

## Financial Clearance and Issuance of Student Records

A student will not be issued a diploma, certificate of completion, or an official transcript until all accounts, current or otherwise, have been settled in accordance with University requirements. Students with delinquent accounts will also be prohibited from future registration until all balances are resolved to the University's satisfaction.

If a student defaults on payment of a Federal Perkins Student Loan, a Federal Family Educational Loan, or an Institutional Loan, or if a student fails to satisfy finance-related exit interview requirements, a financial hold will remain in effect until all University debts and related requirements are satisfied. Unpaid accounts are reported to the three major credit reporting agencies. Exit interviews are administered through the Student Loan Office and the Financial Aid Office.

# **Academic Degrees and Programs**

## **Loyola Marymount University**

### **University Honors Program**

*All University Colleges*

#### **Director**

Trevor Zink

#### **Associate Director**

John David N. Dionisio

#### **Interim Faculty Advisor**

Andrew Dilts

#### **Senior Program Coordinator**

Nubia Valenzuela

### **Objectives**

The University Honors Program at Loyola Marymount University seeks to offer academically outstanding students with intellectually creative, rigorous courses that promote a life-long love of learning and the intellectual habits required to serve others. The sequence of courses culminates in a Senior Thesis project (either HNRS 4100 or a Senior Thesis/Project completed through a course in their major), prepared under the guidance of a faculty mentor. Honors students are strongly encouraged to present their work either at the LMU Undergraduate Research Symposium or at national conferences in their discipline. Selected students will have the opportunity to attend and present work at the annual conferences for the National Collegiate Honors Council (NCHC) and the Association of Jesuit Colleges and Universities (AJCU).

For more on the program, including how to apply, please consult the description of the University Honors Program in the Academic Programs and Services section of the Bulletin, or look at the program's website at <http://academics.lmu.edu/honors>.

### **Honors Program**

#### **University Honors Program**

##### **Program Requirements**

Students in the University Honors Program replace the University Core with the University Honors Core. Where sections are designated as "Honors" (indicated also with an asterisk), Honors students must enroll in courses with HNRS course numbers.

For Students from All Colleges EXCEPT Frank R. Seaver College of Science and Engineering

## Foundations (Years 1-2)

\* Honors Colloquium: Introduction to Honors (1 semester hour)

First Year Seminar (must enroll in a section restricted to Honors)

\* Honors Philosophical Inquiry

\* Honors Theological inquiry

Studies in American Diversity (taken from the University Core)

University Honors students must demonstrate proficiency in a second language. This requirement is met through coursework at the intermediate level of a second language (e.g., completion of 2102 level courses in the Modern Languages, or their equivalent as determined by the Office of the Registrar), placement into 2103 (or higher) level language courses as determined by LMU's language placement examination, AP credits toward language courses as determined by the Office of the Registrar, or by alternative examination approved by the Program Director. International students fulfill this requirement by TOEFL proficiency in English as a Second Language.

## Explorations (Years 2-3)

\* Honors Colloquium: Research and Exhibition (1 semester hour)

\* Honors Literary Analysis

\* Honors Historical Analysis

\* Honors Nature of Science, Technology, and Mathematics

Creative Experience (taken from the University Core)

Understanding Human Behavior (taken from the University Core)

**\*\* A minor or major can be used to replace **one Honors Core course at the Explorations level**, including a course that has an Honors-only designation, **if** the Honors course cannot be used to fulfill any minor/major requirements. **Students must consult with the Honors Advisor or Honors Director to determine if they qualify for this replacement.****

**\*\*\* In lieu of requiring Honors students to complete an Honors Nature of Science, Technology, and Mathematics, students may fulfill the HNRS NSTM requirement in the general LMU Core by taking a course outside of Honors that has the NSTM designation. In accordance with the AP policy described below, Honors students cannot use AP credit to substitute for HNRS NSTM. **Students must consult with the Honors Advisor or Honors Director to determine if they qualify for this replacement.****

## Integrations (Years 3-4)

\* Honors Colloquium: Post-Baccalaureate Success Seminar (1 semester hour)

\* Honors Ethics and Justice

Faith and Reason (taken from the University Core)

\* Honors Thesis (or thesis/capstone project developed through a capstone course in the major). Note that a capstone *course* in the major will not satisfy the thesis requirement unless it culminates in a thesis or project. Students fulfilling the thesis requirement through a course in the major must obtain prior approval from the Honors Director or Associate Director.

\* Honors Portfolio and Assessment (0 semester hours)

For Students from Frank R. Seaver College of Science and Engineering

Foundations (Years 1-2)

\* Honors Colloquium: Introduction to Honors (1 semester hour)

First Year Seminar (must enroll in a section restricted to Honors)

\* Honors Philosophical Inquiry

\* Honors Theological inquiry

Studies in American Diversity (taken from the University Core)

University Honors students must demonstrate proficiency in a second language. This requirement is met through coursework at the intermediate level of a second language (e.g., completion of 2102 level courses in the Modern Languages), or their equivalent as determined by the Office of the Registrar), placement into 2103 (or higher) level language courses as determined by LMU's language placement examination, AP credits toward language courses as determined by the Office of the Registrar, or by alternative examination approved by the Program Director. International students fulfill this requirement by TOEFL proficiency in English as a Second Language.

Explorations (Years 2-3)

\* Honors Colloquium: Research and Exhibition (1 semester hour)

\* Honors Literary Analysis

\* Honors Historical Analysis

Integrations (Years 3-4)

\* Honors Colloquium: Post-Baccalaureate Success Seminar (1 semester hour)

\* Honors Ethics and Justice

Faith and Reason (taken from the University Core)

\* Honors Thesis (or thesis/capstone project developed through a capstone course in the major). Note that a capstone *course* in the major will not satisfy the thesis requirement unless it culminates in a thesis or project. Students fulfilling the thesis requirement through a course in the major must obtain prior approval from the Honors Director or Associate Director.

\* Honors Portfolio and Assessment (0 semester hours)

AP and IB Equivalencies

The University Honors Program offers HNRS credit for AP and IB tests in the appropriate areas in accordance to LMU's AP and IB equivalencies. However, Honors sections of courses--specifically Honors Literary Analysis; Honors Historical Analysis; and Honors Nature of Science, Technology, and Mathematics--may not be satisfied through AP credit. AP credit in a foreign language may be used to fulfill the Honors language requirement.

Liberal Studies Students

Students who are working toward elementary education credentials need to meet with the Honors Director to

determine the best coursework path. Decisions about courses will be made in consultation with the Center for Undergraduate Teacher Preparation.

#### Additional Notes

The University Honors Program does not require flags or courses in Rhetorical Arts, Quantitative Reasoning, and Interdisciplinary Connections.

# LMU Bellarmine College of Liberal Arts

## Administration

**Dean:** Robbin D. Crabtree

**Associate Deans:** Jennifer Pate, Jonathan Rothchild

**Assistant Deans:** Shannon Pascual, Janet Vera Lopez

## Mission of the Bellarmine College of Liberal Arts (BCLA)

The Bellarmine College of Liberal Arts embodies the wider University goals of liberal education and commitment to Roman Catholicism and the Judeo-Christian traditions. Our courses represent the heart of the University's core curriculum for all undergraduates. Our curriculum liberates the mind, nourishes the spirit, and cultivates creativity for the challenges of today and tomorrow.

## The Inherent, Enduring, and Practical Value of the Liberal Arts

BCLA is the oldest and largest school at LMU and the liberal arts is at the heart of the LMU undergraduate education for all our students. We have 25 degree programs and 31 minors that will help you sharpen your intellectual capacity, gain deep content knowledge, and practice the marketable skills--such as critical thinking, writing, diversity awareness, and teamwork--that are highly valued by employers. In fact, the overwhelming majority of employers prefer to hire people who demonstrate the outcomes from a liberal arts education. Liberal arts graduates have similar peak earnings as business and pre-professional majors, and are more likely to pursue graduate degrees.

In the Liberal Arts you will:

- Think about the ideas, traditions, and institutions that influence our culture and society
- Engage in exciting community-based and experiential learning opportunities
- Prepare to work in the widest range of professions and become career-ready
- Build your capacity for citizenship and engagement with the world
- Be able to personalize your studies by combining majors and minors.

The liberal arts will stimulate your curiosity, broaden your horizons, deepen your self-awareness, enhance your moral principles and ethical reasoning, and develop habits for lifelong learning.

## **BCLA Student Learning Outcomes**

By virtue of their liberal arts courses, LMU students should understand:

- The various ways in which knowledge is established and integrated
- The broad outlines of human history and the interconnectedness of the world
- The philosophical and theological dimensions of our intellectual traditions.

By virtue of their liberal arts courses, LMU students should be able to:

- Demonstrate written and oral competencies
- Synthesize and apply knowledge to solve problems, personal and social
- Interact cross-culturally and pursue justice, locally and globally.

By virtue of their liberal arts courses, LMU students should value:

- The life of the mind, enhanced self-awareness and social awareness
- Critical reflection that leads to thoughtful action
- Diversity, responsibility, justice, and globally sound human practice.

Similarly, BCLA students attain the learning outcomes of their majors and minors, found in the following program descriptions.

## **Organization of the College**

The College offers undergraduate majors and/or minors in the following fields of learning:

<b>Department/Program</b>	<b>Abbreviation</b>	<b>Degree/Program</b>
African American Studies	AFAM	Major and Minor
Asian Pacific American Studies	APAM	Major and Minor
Asian and Pacific Studies	ASPA	Minor only
Bioethics	BIOE	Minor only
Catholic Studies	CATH	Minor only
Chicano/a and Latino/a Studies	CLST	Major and Minor
Chinese	CHIN	Minor only
Classics and Archaeology	CLAR	Major and Minor
Economics	ECON	Major and Minor
English	ENGL	Major and Minor
Environmental Studies	EVST	Major and Minor
French	FREN	Major and Minor
German	GRMN	Minor only
Global Economics	EGEM	Minor only
Health and Society	HEAS	Minor only
History	HIST	Major and Minor
Humanities	HMNT	Major only
Individualized Studies	ISLA	Major only
International Relations	IRLT	Major and Minor
Italian	ITAL	Minor only
Irish Studies	IRST	Minor only
Jewish Studies	JWST	Minor only
Journalism	JOUR	Major and Minor
Liberal Studies (Elementary Education)	LBST	Major and Minor
Modern Greek Studies	MDGK	Minor only
Modern Languages	MDGL	Major
Peace and Justice Studies	PJST	Minor only
Philosophy	PHIL	Major and Minor
Political Science	POLS	Major and Minor
Psychology	PSYC	Major and Minor
Sociology	SOCL	Major and Minor
Spanish	SPAN	Major and Minor
Theological Studies	THST	Major and Minor
Urban Studies	URBN	Major and Minor
Women's and Gender Studies	WGST	Major and Minor

Master's level graduate programs are offered in the following fields:

### **Application of General University Requirements**

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the Bellarmine College of Liberal Arts.

### **Degree Requirements for a Baccalaureate Degree in the**

## **Bellarmino College of Liberal Arts**

The degree program has three components: core, major, and electives. The core curriculum, which is taken

throughout the four-year program, provides educational breadth and embodies Loyola Marymount's educational mission and vision. The major provides a field of concentration that develops a depth of understanding in the humanities or social sciences. Finally, up to one-third of the program is made up of electives. This provides the opportunity for exploring fields of study complementary to the major or for developing expertise in a second major or minor.

### **All BCLA students should be aware of the following policies:**

124 semester hours are required for graduation with the following distribution: a) at least 45 semester hours of upper division, and b) a **maximum of 40 upper division semester hours or no more than four upper division courses beyond the major requirements in any one department** will be accepted toward graduation requirements.

Enrollment by degree-seeking students at another institution at the same time they are enrolled at LMU is not permitted. Courses taken concurrently elsewhere will not be accepted toward degree requirements in BCLA. See Financial Aid policies for additional restrictions.

The Bellarmine College of Liberal Arts accepts a maximum of two semester hours of physical education only upon entrance for a new transfer student. Other physical education hours do not count toward degree requirements.

A maximum of 10 semester hours of Aerospace Studies credit will be accepted.

Students should consult the Dean's Office for specific policies applicable to the Bellarmine College of Liberal Arts.

### **Students Interested in Teaching in California Public Schools**

Students wishing to teach grades K-5 in California public schools are required to obtain a Multiple Subjects Subject Matter Teaching Credential and demonstrate "subject matter competence" to teach the many subjects commonly taught in elementary school. Subject matter competence must be demonstrated by passing the California Subject Examination for Teachers (CSET). To prepare for this examination, students complete the requirements of the Liberal Studies Bachelor of Arts degree in the Bellarmine College of Liberal Arts. Students interested in the Liberal Studies degree program should consult a Liberal Studies advisor.

Students wishing to teach in grades 6-12 in California public schools are required to obtain a Single Subject Credential and demonstrate "subject matter competence" to teach a particular subject (e.g., English, Social Studies, Foreign Language, Mathematics, or Science). Subject matter competence can be demonstrated by either passing a national exam or by successfully completing an approved subject matter preparation program in English. Students interested in teaching English at the 6-12 grades levels should consult the English Subject Matter advisor in the English Department. The Frank R. Seaver College of Science and Engineering offers an approved single subject preparation program in mathematics. Students interested in teaching mathematics should consult an advisor in the Mathematics Department. Subject matter preparation programs in science and French are pending, whereas Spanish and the social sciences have been approved.

A Multiple Subjects Subject Matter or Single Subject Matter teaching credential can be earned concurrently with a Bachelor's degree. Except for Liberal Studies majors, students may declare a minor in Education and begin taking Education courses after completion of 30 semester hours (first semester Sophomore standing). In order to maximize the full potential of taking Education courses with the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. Credential programs are also

available in Special Education (K-12) and Bilingual Education (Spanish, K-12). For more information on Education programs, see the School of Education section in this Bulletin.

## **Secondary Teacher Preparation Programs**

For information on these programs, see the Center for Undergraduate Teacher Preparation section in this Bulletin.

## **African American Studies**

### **Faculty**

Chairperson: Stefan M. Bradley

Professors: Stefan M. Bradley, Adilifu Nama

Associate Professor: Marne L. Campbell

Assistant Professor: Jennifer Williams

### **Bachelors**

#### **African American Studies, B.A.**

##### Objectives

The Department of African American Studies at LMU is devoted to the scholarly examination of the social, cultural, economic, political, and spiritual forces that impact the lives of people of African descent in the Americas and, in turn, the communities they create. AFAM and its curriculum provide students with an explanatory framework through which they can analyze not only the historical and contemporary experiences of peoples of African descent but also those of the wider human community in a global and increasingly diverse society.

By examining the lived experiences of Africans in America and throughout the Diaspora from the perspective of various disciplines, students develop a deeper understanding of themselves and their interactions within a diverse society. Thus, African American Studies provides students with an excellent preparation for graduate study, professional schools, social advocacy and activism to promote social justice, and numerous employment opportunities (e.g., law, education, counseling, entertainment, social work, public relations, business, etc.) that require a Bachelor of Arts degree.

##### African American Studies Student Learning Outcomes

By virtue of exposure to African American Studies courses, African American Studies students should have:

- A critical awareness of the general history of Black people in the U.S. and Diaspora
- A basic comprehension of the Black Aesthetic
- A profound understanding of the significance of Black people in America and the global community
- A broad familiarity with the systemic forces that impact traditional institutions within the Black community;

African American Studies students should be able to:

- Demonstrate written competency in the analysis of theories and practices concerning Black racial formations
- Demonstrate oral competency in the analysis of theories and practices concerning Black racial formations
- Use and interpret data and other social facts to answer research questions pertaining to African American interests;

African American Studies students should value:

- Direct engagement with Black communities
- The dignity of Black people, institutions, and practices
- The concept of diversity in the modern and complex world in which we live.

## Major Requirements

Lower Division Required Courses:

- AFAM 1211 Introduction to African American Studies *4 semester hours*
- AFAM 2221 Black Cultural Arts *4 semester hours*
- AFAM 2243 African American Studies Research Methods *4 semester hours*

Upper Division Required Courses:

- AFAM 3211 African American History *4 semester hours*
- AFAM 3621 African American Literature *4 semester hours*
- AFAM 3643 Black Community Engagement *4 semester hours*
- AFAM 4641 Capstone Project *4 semester hours*

Electives:

Eight (8) semester hours in AFAM courses, four (4) of which must be Upper Division. Students may count Gospel Choir courses as Lower Division electives for the Major.

## African American Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as AFAM major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- AFAM 1211 Introduction to African American Studies *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- AFAM 2221 Black Cultural Arts *4 semester hours*

- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- AFAM 2243 African American Studies Research Methods 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- AFAM 3211 African American History 4 semester hours
- University Core 3-4 semester hours
- AFAM Elective 4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

#### Junior Year

##### Fall Semester

- AFAM 3621 African American Literature 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

##### Spring Semester

- AFAM 3643 Black Community Engagement 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

#### Senior Year

##### Fall Semester

- AFAM Upper Division *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- AFAM 4641 Capstone Project *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Minor**

### **African American Studies Minor**

Minor Requirements

20 semester hours, including AFAM 1211, AFAM 3211, and twelve (12) semester hours of electives, eight (8) of which must be upper division. An average grade of C (2.0) must be obtained in the courses included in the minor. Students may count Gospel Choir courses as lower division electives for the Minor.

### **Asian and Asian American Studies**

#### **Chairperson**

Edward J.W. Park

#### **Faculty**

Professor: Edward J.W. Park

Associate Professor: Yanjie Wang

Assistant Professor: Curtiss Takada Rooks

Clinical Faculty: Lang Ngo, Thomas Plate

#### **Introduction**

Asian and Asian American Studies (AAAS) is an interdisciplinary department that was created in Fall 2016 through the merger of two programs, Asian and Pacific Studies (ASP) and Asian Pacific American Studies (APAM). Seeking to promote Loyola Marymount University's Mission amidst changing local, national, and international realities, its faculty uses the exploration of cultural, political, socioeconomic, and religious issues in Asia and the United States to educate the whole person and to contribute to the encouragement of learning. In an increasingly transnational world where global citizenship, multicultural awareness, interfaith

dialogue, and social justice are emphasized and valued, AAAS offers transformative education by bringing together teacher-scholars and students from different disciplines and fields in the social sciences, the humanities, and the arts to study and to critically analyze the past and the present on both sides of the Pacific.

The department offers a major and a minor in ASPA and a minor in APAM.

## Bachelors

### Asian and Pacific Studies, B.A.

#### Objectives

Asian and Pacific Studies (ASPA), an interdisciplinary area studies program, provides a general background to the traditions and cultures of Asia and the Pacific as well as an understanding of contemporary issues relating to that region. Furthermore, given the present shift of interest to the Pacific region, it aims to deepen the student's knowledge of Asia and the Pacific or of a country/area through a concentrated study in one academic discipline. This academic program, therefore, seeks to develop the student's personal interest in Asian and Pacific affairs and to prepare her or him for Asia-related career opportunities. Majors and minors in ASPA are encouraged to enroll in LMU's Study Abroad offerings in Asia.

#### Asian and Pacific Studies Student Learning Outcomes

- Students will come to understand the cultures of the Asian Pacific region and their contributions to human civilization, with special attention to distinctively Asian culture and spiritual traditions that originated in this region.
- Students will enhance their competencies by doing original research on topics of concern in the Asian Pacific region, and communicate their findings in both written and oral presentations. Students will also acquire a basic knowledge and skill in an Asian language.
- Students will have the opportunity to develop self-awareness by exploring interactively the relationships between their own cultures and those of the Asian Pacific region.

#### Major Requirements

Lower Division Requirements (8 semester hours) including:

- ASPA 2100 Asian Civilizations *4 semester hours*
- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 *4 semester hours*

Language Requirement (8 semester hours):

Study of an Asian language (competence expected is the equivalent of a one-year study, i.e., 8 semester hours). Native speakers of an Asian language may be exempted from the language requirement but will be strongly encouraged to study another language. At LMU, course credit may be obtained for CHIN 2101, CHIN 2102, CHIN 2103, CHIN 2104; JAPN 2101, JAPN 2102, JAPN 2103, JAPN 2104. At UCLA, credit may be obtained through the SOCCIS program for Arabic, Korean, and Mongolian.

Upper Division Requirements (24 semester hours):

- ASPA 3200 Masterpieces of East Asian Literature *4 semester hours*
- ASPA 3500 Economic and Political Issues in Contemporary Asia *4 semester hours*
- ASPA 5000 Senior Integrating Seminar *4 semester hours*

Note:

Choose the additional twelve upper division semester hours from ASPA courses or, in consultation with the Chairperson, from courses with substantial content focused on Asia and the Pacific region in other disciplines, including art, business, economics, history, philosophy, political science, and theological studies.

#### Asian and Pacific Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as ASPA major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 *4 semester hours*
- Asian Language *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- Asian Language *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- ASPA 2100 Asian Civilizations *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

Junior Year

Fall Semester

- ASPA 3200 Masterpieces of East Asian Literature *4 semester hours*
- ASPA Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- ASPA 3500 Economic and Political Issues in Contemporary Asia *4 semester hours*
- ASPA Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- ASPA Upper Division *4 semester hours*
- ASPA Upper Division *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- ASPA 5000 Senior Integrating Seminar *4 semester hours*
- ASPA Upper Division *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

Upper Division Electives

Bellarmino College of Liberal Arts:

- APAM 2371 Asian Pacific American Literature *4 semester hours*
- APAM 2417 Contemporary Issues of Asian Pacific Americans *4 semester hours*
- APAM 4327 Asian American Psychology *4 semester hours*
- HIST 4820 Modern China *4 semester hours*
- HIST 5800 Seminar in Asian History *4 semester hours*
- PHIL 3565 Chinese Philosophy *4 semester hours*

- PHIL 3355 Meditative Gaze: Dao and Film *4 semester hours*
- PHIL 4680 Topics in Chinese Philosophy *4 semester hours*
- POLS 3420 Political Dynamics of East Asia: Greater China, Japan, and the Koreas *4 semester hours*
- THST 3282 Buddhism *4 semester hours*
- THST 3283 Hinduism, Jainism, Yoga *4 semester hours*
- THST 4080 Topics in Comparative Theology *4 semester hours*

College of Communication and Fine Arts:

- ARHS 3341 Arts of Islam *4 semester hours*
- ARHS 3351 Arts of Asia *4 semester hours*
- ARHS 4301 Arts of India *4 semester hours*
- ARHS 4303 Arts of China *4 semester hours*
- ARHS 4305 Arts of Southeast Asia *4 semester hours*
- ARHS 4307 Arts of Japan *4 semester hours*
- DANC 371 Martial Arts *0 TO 2 semester hours (2 semester hours required)*
- DANC 374 Yoga I *0 TO 2 semester hours (2 semester hours required)*
- MUSC 454 World Music Ensembles I *0 OR 1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours*
- THEA 348 Asian Spirit in Drama *3 semester hours*

College of Business Administration:

Note:

Credit is contingent upon substantial work on Asia and/or the Pacific. Check for course prerequisites or requirements.

Additionally, courses in BLAW, ECON, FNCE, MGMT, MRKT, and POLS with an international focus and courses in DANC, ENGL, and MUSC with a world focus and that have substantial work on Asia and/or the Pacific may fulfill upper division hours in the major or minor. Please consult with the Chairperson.

In all cases, check for course prerequisites or requirements.

## Minor

### Asian and Pacific Studies Minor

#### Minor Requirements

*16 semester hours*

- HIST 1800 Modern Asia: China, Japan, and Korea since 1600 *4 semester hours*, or
- One Asian Language *4 semester hours*, or
- ASPA 2100 Asian Civilizations *4 semester hours*, or
- A Foundations course in the University Core curriculum that has substantial content focused on Asia *4 semester hours*
- ASPA 5000 Senior Integrating Seminar *4 semester hours*
- Asia-related courses *8 semester hours*

In consultation with the Chairperson, the student may choose courses in another College or School, if

the courses prove to have substantial content focused on Asia and the Pacific region.

## **Asian Pacific American Studies Minor**

### Objectives

Asian Pacific American Studies (APAM) supports Loyola Marymount University's commitment to multicultural education. APAM is designed to enhance student understanding of the histories and contemporary issues that impact the lives of Asian Pacific Americans in the United States. People of all races and ethnicities are encouraged to enroll in APAM courses. Only through a critical understanding of our multicultural society can we begin to "live together, learn together, work together, and forge new ties that bind together."

### Asian Pacific American Studies Student Learning Outcomes

- An understanding of the historical contributions of Asian Pacific Americans
- An understanding of contemporary issues facing Asian Pacific American communities
- A knowledge of the ethnic, class, gender, and generational diversity of Asian Pacific Americans
- A knowledge of Asian Pacific American cultural, literary, and artistic expressions

### APAM Minor Requirements

#### *20 semester hours*

- APAM Lower Division (8 semester hours required)
- APAM Upper Division (12 semester hours required)

### Note:

Other courses may be approved with the consent of the Associate Chairperson.

## **Bioethics**

## **Faculty**

Director: Roberto Dell'Oro

## **Contact Information**

**Director:** Roberto Dell'Oro

**E-mail:** Roberto.Dell'Oro@lmu.edu

**Program Administrator:** Gianna McMillan

**E-mail:** Gianna.McMillan@lmu.edu

**Minor Director:** Nicholas R. Brown

**E-mail:** Nicholas.Brown@lmu.edu

**Administrative Coordinator:** David H. Rogoff

**E-mail:** David.Rogoff@lmu.edu

**Website:** [www.lmu.edu/bioethics](http://www.lmu.edu/bioethics)

**Offices:** University Hall 4500

## **Mission Statement**

The graduate programs in bioethics at Loyola Marymount University are distinct programs of study leading

to a Master of Arts degree or a Graduate Certificate in Bioethics. The programs provide graduate educational opportunities that will enable students to reflect systematically on contemporary issues in bioethics through a challenging liberal arts and sciences curriculum with a commitment to social justice.

## Admission Requirements

The Master of Arts and Graduate Certificate programs follow the same admission criteria.

Prerequisites:

- Baccalaureate degree or its equivalent
- Undergraduate GPA of at least 3.0

Application Requirements:

- Graduate Division Application
- Two Letters of Recommendation
- Personal Statement
- Short Essay Response
- Two Copies of Official Post-secondary Transcripts
- Test Scores (GRE or MAT)
- A \$50.00 Fee
- Personal Interview (following application completion)

*International Applicants Only:*

- Language Test Scores (TOEFL or IELTS)
- SEVIS I-20 Request Form
- Transcript Translation and Evaluation

The priority deadline for entrance in the Fall term is March 1. Applications received after this deadline will be reviewed on an individual basis.

- **March 1 for entrance in Fall semester**

Students may take graduate courses in non-degree status with permission of the Graduate Director and the Professor.

## Scholarships and Grants

Multiple forms of financial assistance are available. Check our website for more information. The priority deadline for scholarship applications is May 1.

## Graduate Certificate

### Bioethics Graduate Certificate

The Graduate Certificate in Bioethics program prepares individuals to deal with the complexities of bioethical issues arising in clinical practice and to become leaders in decision-making about bioethical problems in their respective institutions. A Graduate Certificate in Bioethics can augment clinical practice and prepare healthcare professionals (e.g., physicians, nurses, clinical social workers, pastoral care personnel, hospital administrators, etc.) to serve on medical center bioethics committees.

## Program Requirements

The Graduate Certificate requires a total of 12 semester hours of graduate coursework, completed over a program of 4 three-semester-hour courses.

Required Courses: 12 semester hours

- BIOE 6000 Introduction to Bioethics *3 semester hours*
- BIOE 6100 Bioethics at the Beginning of Life *3 semester hours*
- BIOE 6200 Law and Bioethics *3 semester hours*
- BIOE 6300 Bioethics at the End of Life *3 semester hours*

## Masters

### Bioethics, M.A.

The Master of Arts in Bioethics is a multidisciplinary program that facilitates learning and thinking from an interdisciplinary perspective. It fosters the critical analysis of bioethical topics through the interplay of moral theory and medical practice. An M.A. in Bioethics can prepare students for doctoral study at another institution, or complement other graduate work in fields such as Philosophy, Law, Medicine, Theology, and Spiritual Care.

Learning Outcomes of the M.A. Program in Bioethics

Graduates of the Bioethics Institute will be able to:

- Understand the basic problems, methods, and approaches to the field of bioethics
- Familiarize with the main ethical theories of bioethics and identify the philosophical components of the public discussion on bioethical issues
- Engage in the critical analysis of bioethical questions and articulate their theoretical and practical dimension
- Recognize and interpret the theological presuppositions of bioethical questions and appreciate the contribution of religious traditions to the field of bioethics
- Appreciate the importance of ethical dialogue across different philosophical traditions
- Become familiar with the clinical context of medicine and recognize the ethical challenges facing health care professionals and their patients today
- Understand the legal and public policy implications of bioethics and become able to understand the interplay of morality and law both at a general level and in relation to specific bioethical issues.

## Degree Requirements

The Master of Arts degree requires a total of thirty semester hours of graduate coursework, completed over a program of 10 three-semester-hour courses, including 7 core and 3 elective courses.

Required Courses in Bioethics: 30 semester hours

- BIOE 6000 Introduction to Bioethics *3 semester hours*
- BIOE 6100 Bioethics at the Beginning of Life *3 semester hours*
- BIOE 6200 Law and Bioethics *3 semester hours*
- BIOE 6300 Bioethics at the End of Life *3 semester hours*
- BIOE 6400 Clinical Bioethics *3 semester hours*

- BIOE 6500 Elective Topics in Bioethics *3 semester hours (total of 9 semester hours)*
- BIOE 6600 Foundations of Theological Ethics *3 semester hours*
- BIOE 6700 Foundations of Philosophical Ethics *3 semester hours*

## Minor

### Bioethics Minor

**Director:** Nicholas R. Brown

#### Objectives

The Bioethics minor supports Loyola Marymount University's mission: the commitment to intellectual rigor, the education of the whole person, and the openness to ultimate questions of justice, human dignity, and the meaning of life experiences. As a recently emerged field of study, bioethics surveys in a systematic fashion ethical issues in the life sciences and medicine. In the Bioethics minor, students engage in philosophical reflection with an interdisciplinary focus. They will address ethical challenges at the beginning and at the end of life, together with those in the areas of genetics, brain research, transplantation, and regenerative medicine, to name but a few. More broadly, the Bioethics minor offers students the opportunity to think and write critically about the goals of medicine, the responsibility of science, and the relevance of public debate in a democratic society. Because of its professional relevance, the minor is especially recommended for students who envisage a career in health care or the law. Furthermore, with its emphasis on ethical reflection, it complements the curricular offerings of other majors in the humanities, such as Philosophy, Theological Studies, Psychology, and English.

#### Student Learning Outcomes

- Understand the main ethical theories in bioethics, together with the wider philosophical and theological grounding of bioethical questions
- Appreciate the "complexity" entailed by moral decision-making in bioethics, and the importance of dialogue among different moral positions
- Understand the importance of interdisciplinary dialogue between science and the humanities, relative to the ethical assessment of technological advances and therapeutic applications
- Understand the link between ethical reflection, personal moral commitment, and the relevance of social collaboration in the quest for a better world

#### Requirements

*18-20 semester hours*

For successful completion of this minor, an average grade of C (2.0) must be obtained in these courses.

Bioethics Core Classes (8 semester hours required)

2 Required BIOE Core Classes

- BIOE 1000 Introduction to Bioethics *4 semester hours* (Theological Inquiry)
- BIOE 3000 Advanced Topics Seminar *4 semester hours* (Interdisciplinary Connections)

General Core Classes (8 semester hours required)

2 Core Classes (any 2)

- FFYS 1000 Biotechnology Issues *4 semester hours* (First Year Seminar)
- FFYS 1000 Health Psychology: Where Mind and Body Meet *4 semester hours* (First Year Seminar)
- PHIL 3100 Ethics *4 semester hours*
- PHIL 3105 Ethics of Love and Marriage *4 semester hours*
- PHIL 3110 Environmental Ethics *4 semester hours*
- PHIL 3115 Ethics for Engineering and Science *4 semester hours*
- PHIL 3145 Topics in Applied Ethics *4 semester hours*
- PHIL 3998 Race, Sex, and Gender *4 semester hours* (Studies in American Diversity)
- PHIL 3998 Science and Religion *4 semester hours* (Faith and Justice)
- JWST 4370 Nazi Germany and Questions of Conscience *4 semester hours*
- THST 3238 Theology and Science *4 semester hours*

Elective Classes (2-4 semester hours required)

1 Elective (any 1)

- BIOL 585 Issues in Biotechnology Seminar *2 semester hours*
- HIST 4433 Health and Disease in American Culture *4 semester hours*
- PHIL 3200 Philosophy of Science *4 semester hours*
- PHIL 4830 Philosophy of Mind *4 semester hours*
- POLS 3350 Elderly and the Law *4 semester hours*
- PSYC 3998 Science and Religion: Psychological Perspectives *4 semester hours*
- SCEM 398 Healthcare and Humanities *3 semester hours*
- SOCL 3250 Health and Social Justice *4 semester hours*
- SOCL 3998 Sociology of Health and Illness *4 semester hours*

Note

Other courses may be approved with the consent of the minor Director.

## **Catholic Studies**

### **Director**

Marc E. Reeves, S.J.

### **Minor**

## **Catholic Studies Minor**

Objectives

Catholic Studies is an academic interdisciplinary minor program designed to expose students to the study of the intellectual, social, cultural, and spiritual expressions of Catholicism. It is grounded in Vatican II's discussion of the Church in the modern world, with its focus on human culture, dignity, and justice. On the one hand, Catholic Studies' interdisciplinary nature mirrors the complex diversity that is Catholicism, as it

intersects and interacts with history and culture. On the other hand, its intellectual and academic focus gives it purpose and direction as a program intent on studying, exploring, critiquing, and understanding the relationship between faith and culture. Therefore, it welcomes students and professors from any religious background and/or faith commitment and viewpoints.

Catholic Studies students pursue such issues as the influence of Catholicism upon the development of philosophy and the arts; the relationship between Catholicism and the history of world civilizations; the intellectual and ethical issues raised by the interactions of theology, science, and modern culture; Catholic social thought and practice; and the theological foundations of Catholicism. In addition, it offers students opportunities to explore the Ignatian tradition that grounds LMU's founding orders, the Society of Jesus and the Religious of the Sacred Heart of Mary. Moreover, it also makes available opportunities for community service and spiritual activities, expressions of the University's commitment to a faith that does justice. Catholic Studies celebrates Catholicism as a living heritage.

Faculty from a number of LMU's departments, schools, and colleges teach courses cross-listed with Catholic Studies.

#### Catholic Studies Student Learning Outcomes

1. Students minoring in Catholic Studies will be given opportunities to learn about Catholicism as an intellectual, social, spiritual, and cultural tradition within the history of ideas.
2. Students minoring in Catholic Studies will be given opportunities to develop
  - a. their ability to do scholarly work on various topics having to do with Catholicism, ranging from theology and philosophy to the creative and critical arts, the humanities, business, and the social and natural sciences
  - b. their ability to appreciate and evaluate Catholic contributions to and expressions in all fields of learning
  - c. their ability to make connections among the many disciplines focusing on Catholicism
3. Students minoring in Catholic Studies will be encouraged to examine and value the distinctive contribution of Catholicism to world civilization.
4. Students minoring in Catholic Studies will be able to draw on their own experience and insights to further their self-reflection.

#### CATH Minor Requirements

The Catholic Studies minor program consists of 5 courses, with at least 4 being upper division, structured as follows:

##### A. Foundational Course (1 course):

- CATH 1020 American Catholicism *4 semester hours* or
- THST 1020 American Catholicism *4 semester hours* or
- CATH 1030 Exploring the Catholic Theological Tradition *4 semester hours* or
- THST 1030 Exploring the Catholic Theological Tradition *4 semester hours*

##### B. Foundations (1 course):

One cross-listed course with core attributes in one of the following: Theological Inquiry, Philosophical Inquiry, or Studies in American Diversity.

##### C. Explorations and Integrations (2 courses):

Two cross-listed courses with core attributes in one or more of the following: Creative Experience, Historical

Analysis and Perspectives, Nature of Science, Faith and Reason, Ethics and Justice, or Interdisciplinary Connections.

D. Catholic Studies Capstone Course (1 course):

- CATH 4900 Seminar in Catholic Studies *4 semester hours*

Note:

A service-learning course with a Catholic focus would replace any one course from the Foundations or Explorations and Integration categories.

## **Chicana/o and Latina/o Studies**

### **Faculty**

Chairperson: Eliza Rodriguez y Gibson

Professors: Fernando J. Guerra, Rubén Martínez, Eliza Rodriguez y Gibson

Assistant Professors: Vanessa J. Díaz, Priscilla Leiva, Brenda Nicolás

### **Bachelors**

### **Chicana/o and Latina/o Studies, B.A.**

Objectives

The mission of the Department of Chicana/o and Latina/o Studies at Loyola Marymount University is to engage students in a transformative education that promotes a critical understanding of the complex and intersecting patterns of racial, sexual, class, and other systems of power and privilege that have historically and contemporarily shaped Chicana/o and Latina/o communities in the United States. The Department is built on an interdisciplinary curriculum that engages recent theoretical and methodological developments in the discipline of Chicana/o and Latina/o Studies. The Department fosters a socially and intellectually engaged environment that prepares students as leaders in a society which is increasingly diverse and which requires expertise about racial, ethnic, class, political, and social differences.

Chicana/o and Latina/o Studies Student Learning Outcomes

At the end of a course of study, in the major or minor in Chicana/o and Latina/o Studies, students will be able to:

- Interpret, define, and evaluate historical and contemporary information about and representations of Chicana/os and Latina/os;
- Use and apply humanistic, scientific, and/or social science methods, in overlapping methods as appropriate, to arrive at their understandings of Chicana/os and Latina/os;
- Engage recent theories, methodologies, ideas, and developments central to the discipline of Chicana/o and Latina/o Studies, including interdisciplinary methods and multidisciplinary approaches;
- Value engaged learning, life-long education, and leadership for social justice.

Major Requirements

Lower Division Requirements:

8 semester hours

- CLST 1116 Introduction to Chicana/o-Latina/o Studies *4 semester hours*
- CLST 2100 Interdisciplinary and Intersectional Methods *4 semester hours*

Upper Division Requirements:

29 semester hours:

- Critical Explorations: 16 semester hours, 4 semester hours per category: History, Media & Visual Culture, Social Science, and Language & Literature
- Specialization: 4 additional semester hours from Critical Explorations or an upper division non-CLST cross-listed course
- Capstone: 9 semester hours, Fall and Spring of senior year: Fall: CLST 5001 Capstone Research and CLST 5002 Advanced Critical Methods; Spring: CLST 5003 Capstone Seminar

Chicana/o and Latina/o Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

Freshman Year

Fall Semester

- CLST 1116 Introduction to Chicana/o-Latina/o Studies *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- CLST 2100 Interdisciplinary and Intersectional Methods *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

Sophomore Year

Fall Semester

- CLST Critical Explorations *4 semester hours*
- CLST Critical Explorations *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Spring Semester

- CLST Critical Explorations *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## Junior Year

### Fall Semester

- CLST Critical Explorations *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- CLST Specialization course in one area of Critical Explorations *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## Senior Year

### Fall Semester

- CLST 5001 Capstone Research *1 semester hours*
- CLST 5002 Advanced Critical Methods *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-17 semester hours

### Spring Semester

- CLST 5003 Capstone Seminar *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## Recommended Electives

For the purpose of providing our majors and minors with an interdisciplinary perspective, the Department

recommends courses that include a Latina/o and/or critical race studies component. In consultation with the Department Chair, these may be counted towards the Specialization requirement in the major. These courses include, but are not limited to:

- HIST 1700 Early Latin America *4 semester hours*
- HIST 1750 Modern Latin America *4 semester hours*
- HIST 3702 Women, Gender, and Sexuality in Latin America *4 semester hours*
- HIST 4700 Early Mexico *4 semester hours*
- POLS 3050 Critical Race Theory *4 semester hours*
- POLS 3330 Immigration Politics and Policy *4 semester hours*
- SOCL 3221 Race and Ethnic Relations *4 semester hours*
- SOCL 3231 Social Stratification *4 semester hours*
- SOCL 3372 Sociology of U.S. Immigration *4 semester hours*
- SPAN 4362 Latin American Cinema *4 semester hours*
- SPAN 4475 Spanish of the United States *4 semester hours*
- SPAN 4563 Latin American Drama *4 semester hours*
- SPAN 4564 Latin American Novel *4 semester hours*
- SPAN 4565 Latin American Poetry *4 semester hours*
- SPAN 4566 Latin American Short Story *4 semester hours*
- SPAN 4567 Latin American Women Writers *4 semester hours*
- THST 3232 U.S. Latinx Theology *4 semester hours*
- WGST 3300 Gender, Race, and the Graphic Novel *4 semester hours*
- WGST 3301 Literature by Women of Color *4 semester hours*
- WGST 3600 History of Women in California *4 semester hours*
- WGST 3800 Gender and Urban Geographies *4 semester hours*
- WGST 4100 Sex, Trade, Trafficking *4 semester hours*

## **Minor**

### **Chicana/o and Latina/o Studies Minor**

Minor Requirements

25 semester hours:

Lower Division: 8 semester hours

- CLST 1116 Introduction to Chicana/o-Latina/o Studies *4 semester hours*
- CLST 2100 Interdisciplinary and Intersectional Methods *4 semester hours*

Upper Division: 17 semester hours

- Critical Explorations: 8 semester hours in two of the following categories: History, Media & Visual Culture, Social Science, and Language & Literature
- Capstone: 9 semester hours, Fall and Spring of senior year: Fall: CLST 5002 Advanced Critical Methods and CLST 5001 Capstone Research; Spring: CLST 5003 Capstone Seminar

### **Classics and Archaeology**

# Faculty

Chairperson: Aine O'Healy

Professor: Katerina Zacharia

Associate Professor: Caroline Sauvage

## Bachelors

### Classics and Archaeology, B.A.

#### Objectives

The Department of Classics and Archaeology seeks to provide the student with a deeper understanding of the literary and cultural foundations of western societies by exploring their roots in the Greek and Roman classical traditions. Our archaeological offerings extend these investigations of early European cultures into their Near Eastern background and include the hands-on study of ancient artifacts. The combined study of the languages, literature, religion, and material cultures of ancient Greece, Rome, Egypt, and the Near East offers the student a wide-ranging and well-rounded preparation in critical thinking, analytic skills, and writing and prepares the student to contextualize the immense achievements of the past in the modern world. Because of the broad humanistic nature of the programs in Classics and Archaeology, there emerge fundamental questions about what it means to be a human being, and thus the courses in the department offer many interdisciplinary connections with philosophy, theological studies, history, theater, and other academic fields.

#### Classics and Archaeology Student Learning Outcomes

As a Classics and Archaeology Major, the student will:

- Demonstrate a broad knowledge of ancient Mediterranean and Near East Civilizations, including such areas as their history, literature (in the original or in translation), and their material culture;
- Be able to critically analyze the cultures of the Mediterranean and Near Eastern world and place them in social and historical contexts, both ancient and modern;
- Develop writing, research, and communication skills that are articulate, thoughtful, and effective.

#### Classics and Archaeology Major: Requirements

The Classics and Archaeology Major consists of 10 courses selected from the following categories:

##### I. Language (2 Courses)

- CLAR 1110 Elementary Greek I *4 semester hours*
- CLAR 1120 Elementary Greek II *4 semester hours*
- CLAR 1115 Elementary Latin I *4 semester hours*
- CLAR 1125 Elementary Latin II *4 semester hours*
- CLAR 1130 Biblical Hebrew *4 semester hours*
- CLAR 1135 Readings in Classical Hebrew *4 semester hours*
- CLAR 1350 Egyptian Hieroglyphics *4 semester hours*

##### II. Methodology (1 Course)

- CLAR 2200 Epic Poetry *4 semester hours*
- CLAR 2210 Greek Tragedy in Performance *4 semester hours*
- CLAR 2220 Ancient Comedy in Performance *4 semester hours*

- CLAR 2230 Ancient Historians *4 semester hours*
- CLAR 2340 Archaeological Methods and Techniques *4 semester hours*

### III. Survey of the Ancient World (1 Course)

- CLAR 2240 Ancient Greece *4 semester hours*
- CLAR 2250 Ancient Rome *4 semester hours*
- CLAR 2360 Ancient Near East *4 semester hours*

### IV. Myth or Religion (1 Course)

- CLAR 3210 Classical and Near Eastern Myths *4 semester hours*
- CLAR 3220 Greek and Roman Religions *4 semester hours*
- CLAR 3330 Introduction to Near Eastern Religions *4 semester hours*
- CLAR 3350 Ancient Egyptian Religion *4 semester hours*

### V. Art and Archaeology (1 Course)

- CLAR 3230 Arts of Greece *4 semester hours*
- CLAR 3240 Arts of Rome *4 semester hours*
- CLAR 3360 Aegean Art and Archaeology *4 semester hours*
- CLAR 3370 Egyptian Art and Archaeology *4 semester hours*
- CLAR 3390 Archaeology of the Levant *4 semester hours*

### VI. Interdisciplinary (1 Course)

- CLAR 4210 Axial Age *4 semester hours*
- CLAR 4220 Classical Hellenism, Race, Ethnicity *4 semester hours*
- CLAR 4230 Ancient World and Film *4 semester hours*
- CLAR 4240 Greek Cinema *4 semester hours*
- CLAR 4250 Anne Carson: Classic Iconoclast *4 semester hours*
- CLAR 4270 Representations of Greece: Ancient and Modern *4 semester hours*
- CLAR 4280 Greek Film Festival Internship *0 TO 4 semester hours* (may be repeated for credit)
- CLAR 4350 Archaeology and the Bible *4 semester hours*
- CLAR 4360 From Greece to Gotham: Archaeology of the Heroes *4 semester hours*
- CLAR 4371 Archaeology Lab: Ancient Textiles: From Fiber Production to Social Identity *4 semester hours*
- CLAR 4372 Archaeology Lab: Chalcolithic Culture of the Levant *4 semester hours*
- CLAR 4380 Archaeology Field Experience *0 TO 4 semester hours* (may be repeated for credit)

### VII. Electives (3 Courses)

Choose at least 1 course from sections I-VI above. Up to 2 courses may be drawn from approved cross-listings with THST, PHIL, HIST, THEA, or ARHS.

### VIII. Capstone Requirement (1 of the above Course at 4XXX Level + 2 Semester Hours for Research Skills and Capstone Presentation)

- CLAR 4410 Capstone Research Skills *1 semester hours*
- CLAR 4420 Capstone Presentation *1 semester hours*

### Classics and Archaeology Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will

complete all lower division core requirements by the end of the sophomore year. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- CLAR 1110 Elementary Greek I *4 semester hours* or
- CLAR 1115 Elementary Latin I *4 semester hours* or
- CLAR 1130 Biblical Hebrew *4 semester hours* or
- CLAR 1350 Egyptian Hieroglyphics *4 semester hours*
  
- CLAR Methodology Course *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- CLAR 1120 Elementary Greek II *4 semester hours* or
- CLAR 1125 Elementary Latin II *4 semester hours* or
- CLAR 1135 Readings in Classical Hebrew *4 semester hours*
  
- CLAR Survey of the Ancient World *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Sophomore Year

##### Fall Semester

- CLAR Myth or Religion *4 semester hours*
- CLAR Art and Archaeology *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- CLAR Interdisciplinary *4 semester hours*
- CLAR Elective *4 semester hours*
- University Core *3-4 semester hours*
  
- University Core *3-4 semester hours* or

- Elective *3-4 semester hours*

Total: 14-16 semester hours

Junior Year

Fall Semester

- CLAR Upper Division *4 semester hours*
- CLAR Elective *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- CLAR Capstone Research Skills *1 semester hour*
- CLAR Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-17 semester hours

Senior Year

Fall Semester

- CLAR Upper Division Capstone *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- CLAR Symposium Capstone Presentation *1 semester hour*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 13-17 semester hours

## **Minor**

### **Classics and Archaeology Minor**

Classics and Archaeology Minor: Requirements

The Classics and Archaeology Minor consists of 4 courses, at least two of which must be at the upper division level.

# Economics

## Faculty

Chairperson: Zaki Eusufzai

Professors: James Devine, James Konow, Jennifer Pate

Associate Professors: Zaki Eusufzai, Dorothea K. Herreiner, Inas Kelly, Michelle Miller

Assistant Professors: Graham Beattie, Fulya Ersoy, Thomas Herndon, Prachi Jain, Swarup Joshi, Konstantin Platonov

## Entry into the Major or Minor

At entry to the University, students declare the major or minor through the Office of Admission. Currently enrolled LMU students wishing to declare the major or minor in Economics must meet with an advisor in the Economics Department. The advisor will sign the student's Change of Program form, provided the student meets certain academic standards that include having a minimum LMU GPA of 2.0 (C), not otherwise being on academic probation, and having passed any economics or mathematics courses that he/she might have already taken with grades that satisfy the minimum requirements for those courses in the major or minor as outlined in the University Bulletin.

## Bachelors

### Economics, B.A.

This degree is suitable for pre-law students or those interested in careers in business; education; urban planning; and federal, state, and local government.

#### Objectives

Economics focuses on optimal choices and the incentives and constraints that determine decision making for individuals, firms, and institutions. Since unlimited wants generally have to be met by limited means, the study of economics provides a careful analysis and thorough understanding of the processes with which wealth is produced, distributed, and consumed. The economy's importance to all societies and the human condition and the methodological approach of modeling decision making, make economic knowledge useful to many other fields, such as political science, sociology, anthropology, biology, engineering, law, and history. It, thus, is an important field of study and as central to a liberal arts education as it is to a business program.

The study of economics involves (1) the development of theories of economic behavior and their application to new problems; (2) the use of statistics and other evidence to test or add content to existing theories; (3) the development of perspective on economic institutions, economic history, and the development of economic philosophy. Students are encouraged to engage in independent research on all of these levels.

The Economics Department aims first to prepare our students both with the technical skills required to think deeply about important issues of scarcity in our world and to educate the whole person in accordance with the University mission. Upon completing the major, our students will be able to demonstrate a solid understanding of how incentives shape human behavior, in particular, but not only in the core economics

fields of microeconomics, and macroeconomics. In addition, our students will acquire technical skills, particularly in statistics, to complement critical thinking abilities more broadly. They will also have the skills to solve theoretical and real-world problems and be fully prepared for both advanced graduate study and challenging careers.

### Economics Student Learning Outcomes

After finishing the Economics major, students should be able to:

1. See the role of economic and other incentives in shaping human behavior in real-world situations.
2. Understand the principles of microeconomics: uncertainty and risk, constrained optimization, production, distribution, consumption, and markets.
3. Understand the principles of macroeconomics: economic growth, unemployment, inflation, money, interest rates, balance of payments, and exchange rates.
4. Comprehend the structure, development, and impact of economic institutions.
5. Appreciate the ethical concerns that should underlie economic policy: efficiency, fairness, equity, and individual freedom.
6. Separate the normative from the positive content in economics propositions and research, including separating arguments based on special pleading from those aimed at serving the interests of humanity.
7. Use statistics in order to analyze and understand a problem.
8. Possess the mathematical skills needed to understand economic problems.
9. Create or design a model in order to understand an economic problem.
10. Generate or gather real-world data concerning economic issues.
11. Write effectively about economics and communicate to readers clearly and fluently.
12. Orally communicate economic ideas well, presenting theories and evidence clearly.

### Major Requirements:

Students may pursue either a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. The specific requirements of these degrees are explained below.

### Lower Division Requirements:

Economics requirements (8-12 semester hours):

- ECON 1050 Introductory Economics *4 semester hours* or
- ECON 1100 Introductory Microeconomics *4 semester hours* and
- ECON 1200 Introductory Macroeconomics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours* or
- ECON 2350 Accelerated Introductory Statistics *4 semester hours*

### Note:

A grade of at least B- (2.7) is required in each of these courses.

Mathematics requirements (0-7 semester hours):

- MATH 112 Calculus for Business *3 semester hours* or
- MATH 131 Calculus I *4 semester hours*

Note:

A grade of at least B- (2.7) is required in MATH 112, and a grade of at least C (2.0) is required in MATH 131.

Note:

Students are strongly encouraged to take additional mathematics courses beyond these basic requirements in consultation with their economics advisor.

Upper Division Requirements (28 semester hours):

**Seven upper division economics courses.** The average grade in upper division economics courses must be at least C (2.0). Three courses are required: ECON 3100, ECON 3200, and ECON 3300. A grade of at least C- (1.7) must be obtained in these three required courses. These three courses should be taken before or during the junior year. Four additional upper division economics courses are required, of which at least two (8 semester hours) must be at the 4000 level. A grade of at least D (1.0) must be obtained in these additional four required and any other additional upper division economics courses. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chairperson. BCLA students are allowed to take up to 40 semester hours of upper division ECON courses (10 courses total from the 3000-, 4000-, or 5000-level).

Business and Economics Double Major Requirements

Students with majors in business may also pursue a second major in economics by fulfilling the requirements of the B.A. or B.S. track. With prior permission of the Department, double majors in Business and Economics may select two upper division Business Administration courses to count as upper division economics electives in the major. Thus, Business and Economics B.A. double majors are only required to take 20 semester hours of upper division Economics courses (including 12 semester hours of required courses). Business and Economics B.S. double majors are only required to take 24 semester hours of upper division Economics courses (including 20 semester hours of required courses).

Assessment Tests

All Economics majors are required to take two assessment exams, one on introductory concepts and one during the semester in which they are graduating. These tests do not determine any grade, but they are both required for graduation.

Test of Introductory Economics

All Economics majors are required to take a test of introductory concepts.

Comprehensive Test of Economics

All Economics majors who will have completed 100 hours or more by the end of the Spring semester are required to enroll in ECON 4900. This is a zero-semester-hour course, required for graduation, which includes a comprehensive test of economics, a senior exit interview, and possible additional Department evaluation.

Economics Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every

semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
  
- MATH 120 Precalculus Mathematics *3 semester hours* (if necessary) or
- University Core *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours* or
- ECON 2350 Accelerated Introductory Statistics *4 semester hours*
  
- MATH 112 Calculus for Business *3 semester hours* or
- MATH 131 Calculus I *4 semester hours*
  
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

#### Sophomore Year

##### Fall Semester

- ECON 3100 Intermediate Microeconomics *4 semester hours*
- ECON 3300 Econometrics *4 semester hours*
  
- MATH 132 Calculus II *4 semester hours* or
- Elective *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- ECON 3200 Intermediate Macroeconomics *4 semester hours*
- ECON Upper Division *4 semester hours*

- University Core *3-4 semester hours*
- Elective *3-4 semester hours* or
- MATH 234 Calculus III *4 semester hours*

Total: 14-16 semester hours

Junior Year

Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- ECON 4900 Senior Assessment *0 semester hours*
  
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.) and/or
- ECON 5900 Senior Seminar *4 semester hours*
  
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Economics, B.S.**

The Bachelor of Science degree is suitable for students who 1) wish to continue to graduate school in economics or business (especially finance), 2) are particularly interested in statistics or forecasting, or 3) are interested in any of the careers mentioned for the B.A. degree but who desire a more quantitative preparation. The B.S. degree has the same requirements as the B.A. degree, except for three upper division economics course requirements and the total of 32 upper division semester hours. Specifically, the B.S. degree additionally requires Mathematics for Economics (ECON 5300) and Econometrics (ECON 5320).

Students who intend to earn the B.S. degree must submit a Change of Program form to the Office of the Registrar.

#### Objectives

Economics focuses on optimal choices and the incentives and constraints that determine decision making for individuals, firms, and institutions. Since unlimited wants generally have to be met by limited means, the study of economics provides a careful analysis and thorough understanding of the processes with which wealth is produced, distributed, and consumed. The economy's importance to all societies and the human condition and the methodological approach of modeling decision making, make economic knowledge useful to many other fields, such as political science, sociology, anthropology, biology, engineering, law, and history. It, thus, is an important field of study and as central to a liberal arts education as it is to a business program.

The study of economics involves (1) the development of theories of economic behavior and their application to new problems; (2) the use of statistics and other evidence to test or add content to existing theories; (3) the development of perspective on economic institutions, economic history, and the development of economic philosophy. Students are encouraged to engage in independent research on all of these levels.

The Economics Department aims first to prepare our students both with the technical skills required to think deeply about important issues of scarcity in our world and to educate the whole person in accordance with the University mission. Upon completing the major, our students will be able to demonstrate a solid understanding of how incentives shape human behavior, in particular, but not only in the core economics fields of microeconomics, and macroeconomics. In addition, our students will acquire technical skills,

particularly in statistics, to complement critical thinking abilities more broadly. They will also have the skills to solve theoretical and real-world problems and be fully prepared for both advanced graduate study and challenging careers.

### Economics Student Learning Outcomes

After finishing the Economics major, students should be able to:

1. See the role of economic and other incentives in shaping human behavior in real-world situations.
2. Understand the principles of microeconomics: uncertainty and risk, constrained optimization, production, distribution, consumption, and markets.
3. Understand the principles of macroeconomics: economic growth, unemployment, inflation, money, interest rates, balance of payments, and exchange rates.
4. Comprehend the structure, development, and impact of economic institutions.
5. Appreciate the ethical concerns that should underlie economic policy: efficiency, fairness, equity, and individual freedom.
6. Separate the normative from the positive content in economics propositions and research, including separating arguments based on special pleading from those aimed at serving the interests of humanity.
7. Use statistics in order to analyze and understand a problem.
8. Possess the mathematical skills needed to understand economic problems.
9. Create or design a model in order to understand an economic problem.
10. Generate or gather real-world data concerning economic issues.
11. Write effectively about economics and communicate to readers clearly and fluently.
12. Orally communicate economic ideas well, presenting theories and evidence clearly.

### Major Requirements:

Students may pursue either a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. The specific requirements of these degrees are explained below.

### Lower Division Requirements:

These requirements are the same as for the B.A. Economics degree.

### Upper Division Requirements (32 semester hours):

**Eight upper division economics courses.** The average grade in upper division economics courses must be at least C (2.0). Five courses are required: ECON 3100, ECON 3200, ECON 3300, ECON 5300 and ECON 5320. A grade of at least C- (1.7) must be obtained in these five courses. ECON 3100, ECON 3200, and ECON 3300 should be taken by the junior year. Three additional upper division economics courses are required, of which at least two (8 semester hours) must be at the 4000 level. A grade of at least D (1.0) must be obtained in any other additional upper division economics courses. Upper division economics courses must be taken in the LMU Economics Department, except by prior permission of the Chairperson. Students pursuing a B.S. degree in Economics can take up to 44 semester hours of upper division ECON courses (11 courses total from the 3000-, 4000-, or 5000-level).

### Business and Economics Double Major Requirements

Students with majors in business may also pursue a second major in economics by fulfilling the requirements of the B.A. or B.S. track. With prior permission of the Department, double majors in Business and Economics may select two upper division Business Administration courses to count as upper division economics electives in the major. Thus, Business and Economics B.A. double majors are only required to

take 20 semester hours of upper division Economics courses (including 12 semester hours of required courses). Business and Economics B.S. double majors are only required to take 24 semester hours of upper division Economics courses (including 20 semester hours of required courses).

#### Assessment Tests

All Economics majors are required to take two assessment exams, one on introductory concepts and one during the semester in which they are graduating. These tests do not determine any grade, but they are both required for graduation.

#### Test of Introductory Economics

All Economics majors are required to take a test of introductory concepts.

#### Comprehensive Test of Economics

All Economics majors who will have completed 100 hours or more by the end of the Spring semester are required to enroll in ECON 4900. This is a zero-semester-hour course, required for graduation, which includes a comprehensive test of economics, a senior exit interview, and possible additional Department evaluation.

#### Economics Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
  
- MATH 120 Precalculus Mathematics *3 semester hours* (if necessary) or
- University Core *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours* or
- ECON 2350 Accelerated Introductory Statistics *4 semester hours*
  
- MATH 112 Calculus for Business *3 semester hours* or
- MATH 131 Calculus I *4 semester hours*

- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- Elective 3-4 semester hours

Total: 12-16 semester hours

Sophomore Year

Fall Semester

- ECON 3100 Intermediate Microeconomics 4 semester hours
- ECON 3300 Econometrics 4 semester hours
- MATH 132 Calculus II 4 semester hours or
- Elective 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

Spring Semester

- ECON 3200 Intermediate Macroeconomics 4 semester hours
- ECON Upper Division 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours or
- MATH 234 Calculus III 4 semester hours

Total: 14-16 semester hours

Junior Year

Fall Semester

- ECON 4000-level Upper Division 4 semester hours
- ECON Upper Division 4 semester hours or
- ECON 5300 Mathematics for Economics 4 semester hours (B.S.)
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

Spring Semester

- ECON 4000-level Upper Division 4 semester hours

- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- ECON 4000-level Upper Division *4 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5300 Mathematics for Economics *4 semester hours* (B.S.)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- ECON 4900 Senior Assessment *0 semester hours*
- ECON Upper Division *4 semester hours* or
- ECON 5320 Advanced Econometrics *4 semester hours* (B.S.) and/or
- ECON 5900 Senior Seminar *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Minor**

### **Economics Minor**

Minor Requirements

20 semester hours consisting of ECON 1050 or ECON 1100 and ECON 1200 and four upper division ECON

courses. The upper division courses should be chosen in consultation with an economics advisor. A grade of at least B- (2.7) is required in ECON 1100 and ECON 1200, or ECON 1050.

## Global Economics Minor

### Minor Requirements

24 semester hours consisting of 6 courses plus one 0-semester-hour capstone course/reflection paper (ECON 3900).

### Lower Division Requirements (2 courses):

- ECON 1050 Introductory Economics *4 semester hours* and one of the following:
- HIST 1010 Premodern World History *4 semester hours* or
- HIST 1060 Modern Global Environmental History *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*

### Upper Division Requirements (4 courses):

A minimum of three courses in Economics (from the list [1] below). Plus one additional upper-division course from the following: any upper-division course in Economics, an upper-division course from another department with an international or non-US focus (see list [2]), or with prior approval of the Director of the Global Economics minor or the Department Chair.

One 0-semester-hour ECON 3900 capstone course (reflection paper).

### Other Requirements:

- Students may not combine a minor in Global Economics with a major in Economics.
- An average grade of C (2.0) must be obtained in courses included in the minor
- A zero-credit course in which students will write a reflection paper after they took at least 5 out of 6 courses required for the minor
- International requirement (one of the following):
  - 2 years of foreign language
  - Language proficiency [3]
  - Internship with international focus (100 hours) [4]
  - An international internship (100 hours) [4][5]
  - A Washington Center internship
  - Study Abroad (Semester or Summer) [6]
  - Other pertinent international experience [7]

[1] In Economics, the following internationally-focused courses include:

[2] In other Departments and Programs, the following global/non-US focused courses are pre-approved:

In Asian Pacific American Studies:

- APAM 4335 Asian Pacific American Politics and Social Movements *4 semester hours*

In History:

- HIST 3702 Women, Gender, and Sexuality in Latin America *4 semester hours*
- HIST 3704 Latin American Revolutions in Film *4 semester hours*
- HIST 3706 Justice in Latin America *4 semester hours*
- HIST 3708 Race in Latin America *4 semester hours*

- HIST 4010 Pirates and Piracy *4 semester hours*
- HIST 4200 Early Modern Europe *4 semester hours*
- HIST 4205 Europe in the Long Nineteenth Century *4 semester hours*
- HIST 4206 20th-Century Europe *4 semester hours*
- HIST 4215 European Imperialism *4 semester hours*
- HIST 4250 Modern Britain and the British Empire *4 semester hours*
- HIST 4255 Modern Ireland *4 semester hours*
- HIST 4271 Modern Germany *4 semester hours*
- HIST 4272 20th-Century Eastern Europe *4 semester hours*
- HIST 4281 Modern Russia, 1825-1991 *4 semester hours*
- HIST 4282 Ethnicity and Empire in Russia *4 semester hours*
- HIST 4520 The Ottoman Empire *4 semester hours*
- HIST 4640 Colonial Africa, 1860-1980 *4 semester hours*
- HIST 4700 Early Mexico *4 semester hours*
- HIST 4820 Modern China *4 semester hours*

In Political Science/International Relations:

- POLS 3410 Politics of Africa *4 semester hours*
- POLS 3420 Political Dynamics of East Asia: Greater China, Japan, and the Koreas *4 semester hours*
- POLS 3425 Japanese Society and Politics *4 semester hours*
- POLS 3430 Politics of Latin America *4 semester hours*
- POLS 3440 Politics in the Middle East *4 semester hours*
- POLS 3445 Politics of Modern Israel *4 semester hours*
- POLS 3482 British Public Policy *4 semester hours*
- POLS 3510 Politics of Development *4 semester hours*
- POLS 3610 International Cooperation *4 semester hours*
- POLS 3650 United States Foreign Policy *4 semester hours*
- POLS 4650 The Politics of the Global Economy *4 semester hours*
- POLS 4720 Global Human Rights *4 semester hours*
- POLS 4750 Foreign Policy Analysis *4 semester hours*
- POLS 5420 Rivalry and Cooperation in East Asia *4 semester hours*
- POLS 5600 Theories of International Relations *4 semester hours*
- POLS 5710 International Affairs and Social Justice *4 semester hours*

In Sociology:

- SOCL 3370 Sociology of Globalization *4 semester hours*
- SOCL 3371 Gender and Global Migration *4 semester hours*

Note:

Any other non-ECON course must be approved by the Economics Department prior to course enrollment.

[3] Language proficiency will be assessed via the Modern Languages' online placement tests.

Although Level 3 proficiency is the required minimum, we strongly encourage students to continue to more advanced levels.

[4] Internships need to meet the Economics Department expectations for internships, see appendix.

All internships need to be approved by the Director of the Global Economics Minor and the Department

Chair. Internship Course (ECON 3850) does not count for the minor requirement.

[5] The required information for international internships needs to be provided also in English.

[6] The Study Abroad experience must be an LMU or LMU-approved semester or summer program.

The summer program must be at least 6 semester hours. Ideally, this requirement should enhance a student's language skills and cultural awareness that s/he is focused on in courses at LMU. A maximum of one course from study abroad may count towards the minor beyond the study abroad requirement.

[7] International students may explore the possibility of having the foreign language and/or international experience waived, in consultation with the Director of the Global Economics Minor and the Department Chair.

## **English**

### **Faculty**

Chairperson: Barbara Roche Rico

Professors: Theresia de Vroom, Paul Harris, Holli G. Levitsky, Juan Mah y Busch, Steven Mailloux (President's Professor of Rhetoric), Rubén Martínez (Fletcher Jones Chair in Literature and Writing), Evelyn McDonnell, Robin Miskolcze, Barbara Roche Rico, Chuck Rosenthal, Stephen H. A. Shepherd, Gail Wronsky, Kelly Younger, Molly Youngkin

Associate Professors: Stuart Ching, Julia Lee, Alexandra Neel, Judy Park, K.J. Peters, John Reilly, Dermot Albert Ryan

Assistant Professors: Kate Pickert, Tara Pixley

### **Contact Information**

**Department Chair:** Barbara Roche Rico

**E-mail:** [brico@lmu.edu](mailto:brico@lmu.edu)

**Graduate Director:** K.J. Peters

**E-mail:** [Kevin.Peters@lmu.edu](mailto:Kevin.Peters@lmu.edu)

**Websites:** [www.lmu.edu/english/bellarmino.lmu.edu/English/graduateprogram](http://www.lmu.edu/english/bellarmino.lmu.edu/English/graduateprogram)

**Office Location:** University Hall 3800

**Telephone:** 310.338.3018

**Fax:** 310.338.7727

**Senior Administrative Coordinator:** Maria Jackson

**E-mail:** [mjackson@lmu.edu](mailto:mjackson@lmu.edu)

# English Graduate Program

## Mission Statement

The Department of English at Loyola Marymount University offers a Master of Arts degree in English with a Literature Emphasis, a Master of Arts degree in English with a Creative Writing Emphasis, and a Master of Arts degree in English with a Rhetoric and Composition Emphasis. We are committed to the interdependence between literature and writing. We believe that the act of engaging the literary and rhetorical fields involves the production of literary, critical, or theoretical texts, and that broadbased reading in the tradition of literature provides the necessary foundation for more focused study and analysis. Therefore, we offer Literature Emphasis, Creative Writing Emphasis, and Rhetoric and Composition Emphasis students an introduction to graduate scholarship within a range of possible critical, rhetorical, and creative modes, while offering the intellectual background and literary study which makes their course of study both theoretically and historically self-conscious.

All emphases within the M.A. program address the needs of a diverse student population; those going on to doctoral programs in literature, literary theory, rhetoric, or creative writing; those pursuing literary or commercial writing careers; those teaching in high schools and community colleges.

## Admission Requirements

1. The applicant for the degree of Master of Arts in English should have completed with a 3.0 ("B") average a minimum of five upper division undergraduate English courses. Excellence in upper division courses in closely related fields like journalism and screenwriting may be taken into consideration.
2. Applicants must submit an application, \$50 application fee, and two letters of recommendation. Recommendations should be obtained from individuals who are in a position to comment on the applicant's academic and personal suitability for pursuing graduate work in English.
3. Applicants should write an ambition statement (1½-2 pages) in which they indicate which emphasis (Literature, Creative Writing, Rhetoric/Composition) they wish to enter. Applicants should also discuss relevant prior experiences (i.e., Academic, research work, creative writing, or other life experiences) and their career goals. This statement should be included with the basic application.
4. A 10-15 page writing sample is required of all applicants. Applicants to the Literature or Rhetoric/Composition Emphasis should submit a sample of their critical writing; applicants to the Creative Writing Emphasis should submit both a 10-15 page critical writing samples AND a sample of their best creative writing. The two combined samples may not exceed 30 pages total. Both writing samples should be combined into one document for upload to the application website.
5. The deadline for the receipt of all materials is March 15.

## Teaching Fellowships

Students applying for Teaching Fellowships are asked to include, along with their application materials, the following: a resume or C.V.; a letter of application for the Teaching Fellowship; and one of the candidate's two letters of recommendation should specifically address the candidate's potential abilities as a teacher of College Writing.

## **Rains Research Assistantships**

Rains Research Assistantships are available to qualified graduate students by invitation of individual faculty members. These assistantships are paid at \$12 per hour for a maximum of 120 hours per academic year. Teaching Fellows are not eligible for Rains Research Assistantships due to federal government financial aid restrictions.

## **Graduate Assistantships**

A Graduate Assistantship and an internship with the William H. Hannon Library's Special Collections are also available. Students who qualify would work an average of 20 hours per week during the regular semesters. The rate of pay is about \$18.00 per hour.

## **English Undergraduate Program**

### **English Department Mission**

Believing that literature is a profound expression of human experience, the English Department uses a range of critical methods to introduce students to literatures in English from a variety of cultural traditions. The course work reveals the art form's creative beauty, strategies for representing the human experience, and its power to shape the reader.

The English Department encourages an understanding of the critical and creative union of reading and writing as fundamental to the processes of developing the self. Through their imaginations, students who major or minor in English interact with language and literature, thereby encountering another equally open and attentive mind: that of the writer they are reading or of the reader who comes to the work they have created. As students of the literary arts, English majors and minors prepare for a lifetime of reading and writing, enlightenment and fulfillment, learning to do what Toni Morrison describes as a dance of two minds.

### **Bachelors**

### **English, B.A.**

English Student Learning Outcomes

English majors/minors know:

- The history and forms of literatures in English
  - English majors/minors understand literary historical terms and concepts;
  - English majors/minors know the historical and generic markers that characterize the literature of specific periods;
  - English majors/minors can articulate the ways in which certain literary genres, concepts, and conventions endure and change across time.
- The heterogeneity of literatures in English and the nature of difference
  - English majors/minors will have a deeper sense of the diversity of literature written in English;
  - English majors/minors will expand their understanding of the range of experiences, forms, themes, conventions, and traditions that they can encounter in literary texts;
  - English majors/minors can think critically about the intersection of difference and power in literary studies.

- The art of literary invention
  - English majors/minors create literary art that moves, challenges, informs, entertains, and engages its audience;
  - English majors/minors affirm and cultivate an individual artistic vision;
  - English majors/minors understand the professional production of creative texts.

English majors/minors are able to

- Construct persuasive critical analysis of literary texts
  - English majors/minors can integrate critical discourse, argumentation, persuasion, and research in a clear, grammatical, and logically sound manner;
  - English majors/minors can generate compelling and original interpretations and arguments.
- Construct compelling creative works in one or more genres
  - English majors/minors can express themselves in an artistic, imaginative, inspired, and unique style;
  - English majors/minors can generate compelling and original works of literary art.

### Major Requirements

Please note that English majors may take no more than eight upper division English courses and have them count toward graduation.

A student wishing to declare the English major must be in good academic standing with a minimum GPA of C (2.0).

Lower Division Requirements (16 semester hours):

Two courses in Genres:

- ENGL 2200 Genres: Drama *4 semester hours*
- ENGL 2201 Genres: Poetry *4 semester hours*
- ENGL 2202 Genres: Fiction *4 semester hours*
- ENGL 2206 Language of Journalism *4 semester hours*
- ENGL 2296 Special Studies in Genres *4 semester hours*

Two courses in Histories:

- ENGL 2203 Histories: British Literature I *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours*
- ENGL 2297 Special Studies in Histories *4 semester hours*

Note:

A grade of C (2.0) is required in each pre-major course before qualifying for upper division status as an English major. Students transferring into the Department after their sophomore year may enroll in upper division courses in the major concurrently with the pre-major courses. Students must complete all upper division courses in the major with a minimum grade of C (2.0) in order to maintain status as English majors. Failure to maintain this standard or failure to make sufficient progress toward completion of the major will result in probation or disqualification from the Department.

Upper Division Requirements (28 semester hours):

Explorations (16 semester hours):

### One Author(s) course

(includes courses on single authors such as Shakespeare, and other special studies. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

### One Critical/Theoretical course

(includes most English and American literature courses and literary theory courses. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

### One Comparative course

(includes any course in multi-ethnic literature, gender-based literature, world literature, or foreign language literature in translation. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

### One Creative/Artistry course

(includes courses in creative writing and journalism. Check current course descriptions to determine which courses may be used to fulfill this requirement.)

### Specialization (12 semester hours):

In consultation with your advisor, pursue upper-division coursework in a specific area to develop a specialization within English studies. Areas of possible specialization include: multi-ethnic literatures, creative writing, literary theory, literary criticism, rhetorical theory. With advisor approval, one course toward the specialization may be taken outside English. One course may include the Capstone seminar.

Total lower division and upper division: 44 semester hours

A minimum grade of C (2.0) must be obtained in each course in the major.

### The English Major: Secondary Teacher Preparation Program for English

For information on this program, see the Center for Undergraduate Teacher Preparation Program section in this Bulletin.

### English Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-16 semester hours

### Spring Semester

- RHET 1000 Rhetorical Arts 3 *OR* 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-16 semester hours

### Sophomore Year

#### Fall Semester

- ENGL 22xx Genres 4 semester hours
  
- ENGL 2203 Histories: British Literature I 4 semester hours or
- ENGL 2297 Special Studies in Histories 4 semester hours
  
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- ENGL 22xx Genres 4 semester hours
  
- ENGL 2204 Histories: British Literature II 4 semester hours or
- ENGL 2297 Special Studies in Histories 4 semester hours
  
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

### Junior Year

#### Fall Semester

- ENGL Upper Division: Comparative 4 semester hours
- ENGL Upper Division: Creative/Artistry 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

#### Spring Semester

- ENGL Upper Division: Critical/Theoretical 4 semester hours
- ENGL Upper Division: Author(s) 4 semester hours

- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

Senior Year

Fall Semester

- ENGL Upper Division: Specialization 4 semester hours
- ENGL Upper Division: Specialization 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

Spring Semester

- ENGL 5595 Capstone Seminar 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

Note:

Upper division courses are open to juniors and seniors only. With the permission of the Chairperson, upper division courses may be open to sophomores who have taken or are concurrently enrolled in the required lower division, pre-major English courses.

## **Journalism, B.A.**

Program Mission

As readers and writers we are concerned with stories--who tells them about whom, how they are told, how they arrive at an audience, and what happens to them when they become "public." Journalism at LMU connects the educational values of the Jesuit and Marymount traditions and the core creative and critical practices of the English Department to the rapidly changing future of global communication. Our program directly engages LMU's mission of the promotion of justice by critiquing media representations and their immediate social and political impact, and also by exploring the history of community journalism.

Journalism at LMU is not merely theoretical; we offer hands-on instruction in the reporting, writing, editing, and technological skills across multiple platforms that students need to become professional journalists. The journalism program has as its pedagogical foundation the hands-on approach of project-based learning, which connects our students to communities and lives whose stories transmit issues of social, political, cultural, and moral import. It is also rigorously interdisciplinary, incorporating instruction in film, television, photography, and radio production; communication studies; digital media; social media; and modalities not yet known or articulated. Ethical discussions suffuse the entire curriculum, first in the traditional sense of a basic professional ethics and also in the larger frame of an ethics of representation; who is reporting about whom, and why and how. Telling people's stories is our mission.

Learning Outcomes

- To acquire fluency in journalism's fundamental reporting and writing skills
- To instill information and media literacy
- To practice and critique digital modes of journalism
- To employ an interdisciplinary lens to critique the journalist's role in the media and the media's role in society
- To produce journalistic narratives through project-based learning; e.g., Los Angeles as subject
- To understand the ethical guidelines and laws that govern journalism
- To understand the history of literary practices and the history of journalism as a unique field of writing
- The ability to analyze and create within one or more literary and journalistic modes or genres

For more information about the Journalism program, please contact Director Evelyn McDonnell, [Evelyn.McDonnell@lmu.edu](mailto:Evelyn.McDonnell@lmu.edu).

### Major Requirements

Students can begin their Major their first year or declare it later. They learn the foundations of reporting and writing journalism in their first two years, and explore journalism as a literary practice through foundational English courses. In their third and fourth year they learn new technological tools for storytelling, explore the ethical and critical issues that affect journalism, and begin their specialization in modes of practice or content focus. They also begin to develop specific projects drawing on LA-based subjects, culminating in a long-form capstone project their senior year. The Major also requires hands-on experience via either an off-campus internship or work with campus media.

A student wishing to declare the Journalism major must be in good academic standing with a minimum GPA of C (2.0).

### Lower Division Requirements (16 semester hours):

- JOUR 2100 Language of Journalism *4 semester hours*
- One course in Genres: ENGL 2200 Genres: Drama, ENGL 2201 Genres: Poetry, ENGL 2202 Genres: Fiction, ENGL 2206 Language of Journalism, or ENGL 2296 Special Studies in Genres *4 semester hours*
- One course in Histories: ENGL 2203 Histories: British Literature I, ENGL 2204 Histories: British Literature II, or ENGL 2297 Special Studies in Histories *4 semester hours*
- ENGL 2210 Writing for Journalism: Workshop *4 semester hours*

### Upper Division Requirements (27 to 28 semester hours):

- JOUR 3300 Critical and Ethical Issues in Journalism *4 semester hours*
- Experience: JOUR 4402 Writing Internship in Media, JOUR 4469 Practicum in Journalism 1, JOUR 4470 Practicum in Journalism 2, or ASPA 3998 Special Studies (can take twice as Asia Media Practicum for 4 semester hours each) *4 semester hours*
- JOUR 4468 Journalism: Capstone *4 semester hours*
- One Reporting in a Genre course: JOUR 3303 Reviewing the Arts, JOUR 3310 The Human Condition: A Long-form Journalism Practicum, JOUR 3998 Special Studies, JOUR 4405 Literary Non-Fiction: Workshop, JOUR 4407 Investigative Reporting, JOUR 4463 The Art of the Essay, JOUR 4465 Culture Journalism, JOUR 4471 Sports Journalism, JOUR 4998 Special Studies, JOUR 5511 Political Journalism, JOUR 5590 Journalism: Feminist Critique, JOUR 5591 Literary

Journalism, or JOUR 5592 Pazz and Jop: Writing Music Criticism *4 semester hours*

- One Specialization Elective: ENGL 3374 RoadWrite, ENGL 3376 StreetWrite, ENGL 5582 Poetry of Witness; JOUR 4400 Photojournalism, JOUR 4401 Telling Stories with Sound, JOUR 4406 Journalism: Interview: Workshop, JOUR 4408 Journalism: Editing Workshop, JOUR 4409 The Reporter in the Story, JOUR 4460 From Hard News to Blogs: Post-1800 Journalism, JOUR 4464 Publishing a Journal, JOUR 4467 Journalism and Law, JOUR 4472 Video Journalism, JOUR 4473 Mobile Media Magazine, JOUR 4998 Special Studies, JOUR 5501 Journalism: Telling LA's Story, JOUR 5567 Style in Writing, JOUR 5574 Rhetoric and the Media; ASPA 3600 Introduction to Asian Media; IDAP 400 Introduction to Social Media; PHIL 3125 Media Ethics; CMST 2500 Media Studies, CMST 3410 Political Communication, CMST 3440 Media Criticism, CMST 3455 Public Advocacy and Activism, CMST 3460 Gender, Sexuality, and the Media, CMST 3480 Visual Communication, CMST 3510 Wires and Empires, CMST 3520 Digital Self, CMST 3530 Digital Rhetoric, CMST 3540 Environmental Communication, CMST 3590 Advanced Topics in Media Studies; FTVS 1020 Art of Screen Media, FTVS 2130 Documentary Film/Media, FTVS 2137 Global Documentary Film/Media, FTVS 3310 Film/Media and Social Justice, FTVS 3320 Introduction to Film/Media Theory; PROD 398 Special Studies (Euro Culture and Media, Documentary for Non-Majors, and Editing for Non-Majors) or approved courses to fit student interest *3 or 4 semester hours*
- JOUR 3310 or JOUR UD Elective or either FFYS 1000 First Year Seminar (when taken as Writing in L.A.) or RHET 1000 Rhetorical Arts (when taken as Speaking Out) *4 semester hours*
- Production/Media Skills Courses: Four one semester hour; offerings include JOUR 3100 Shooting and Editing Photos for Journalism, JOUR 3101 Shooting and Editing Video for Journalism, JOUR 3102 Recording and Editing Audio for Journalism, JOUR 3104 Computing for Journalism, and JOUR 3105 Designing for Journalism *4 semester hours*

Total lower division and upper division: 43-44 semester hours (3-4 hours double-counted with Core)

A minimum grade of C (2.0) must be obtained in each course in the major.

#### Journalism Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- FFYS 1000 First Year Seminar *3 OR 4 semester hours* (Recommended: Writing Los Angeles)
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

##### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours* (Recommended: Speaking Out)

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

## Sophomore Year

### Fall Semester

- ENGL 22xx Genres *4 semester hours*
- JOUR 2100 Language of Journalism *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- JOUR 2210 Writing for Journalism: Workshop *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours* or
- ENGL 2297 Special Studies in Histories *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- JOUR 3300 Critical and Ethical Issues in Journalism *4 semester hours*
- JOUR Production/Technical Labs *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- Reporting in a Genre *4 semester hours*
- JOUR 3310 The Human Condition: A Long-form Journalism Practicum *4 semester hours* or
- JOUR UD Elective or either FFYS 1000 Writing in LA or RHET 1000 Speaking Out *4 semester hours*

- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

Senior Year

Fall Semester

- JOUR 4402 Writing Internship in Media 4 semester hours or
- JOUR 4469 Practicum in Journalism 1 4 semester hours or
- JOUR 4470 Practicum in Journalism 2 4 semester hours
- Specialization Journalism Elective 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-16 semester hours

Spring Semester

- JOUR 4468 Journalism: Capstone 4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

Note:

Upper division courses are open to juniors and seniors only. With the permission of the Chairperson or the Director, upper division courses may be open to sophomores who have taken or are concurrently enrolled in the required lower division, pre-major English courses.

Students who wish to double major in English and Journalism may double-count up to three courses. Students who wish to major in Journalism and minor in English may double-count one course.

## **Masters**

### **English, M.A.**

Degree Requirements

Work for the degree of Master of Arts in English includes a minimum of 10 courses (30 semester hours) plus the Capstone Portfolio Project (0 semester hours). Courses selected must be approved by the Director of the Graduate English program. For the completion of the Master of Arts in English, all students are required to take Critical Methodology (in the first semester), Contemporary Critical Theory (in the first year for full-time students) and a Major Writer Seminar. All students must take at least four courses at the 6000 level. Courses

in the 5000 group which receive a grade of "B-" or less will not count toward the degree.

#### Literature Emphasis (Ten Courses)

- Critical Methodology (1)
- Contemporary Critical Theory (1)
- Major Writer (1)
- Literature and Theory Electives (5-7)
- Creative Writing Seminar (0-2)

#### Creative Writing Emphasis (Ten Courses)

- Critical Methodology (1)
- Contemporary Critical Theory (1)
- Major Writer (1)
- Creative Writing Seminar (4)
- Literature and Theory Electives (3)

#### Rhetoric and Composition Emphasis (Ten Courses)

- Critical Methodology (1)
- Contemporary Critical Theory (1)
- Major Writer (1)
- Literature and Theory Electives (3)
- Rhetoric and Composition Theory and Practice (3)
- Linguistics or Reading Theory (1)

#### Capstone Portfolio Project

The Capstone Portfolio Project is a culminating project that requires students to work under the supervision of an advisor to create a critical or creative portfolio that highlights his/her research or creative interests. The portfolio is evaluated by the advisor and a second reader for quality of work and mastery of skills acquired throughout the graduate program.

Details of requirements, evaluation, and deadlines are described in the Capstone Requirements Handbook available on the Department website.

#### Student Learning Outcomes

Students who complete the Master's Degree in English will:

- Master the terms and issues specific to the discipline and profession of literary studies.
- Master professional writing skills for tasks including book reviews, abstracts, short critical essays, and research projects.
- Gain experience giving presentations and making submissions for professional publications and/or conferences.
- Engage critically and deeply with a range of literatures and literary theories.
- Engage critically the content and practices of your chosen emphasis (Literature; Creative Writing; Rhetoric and Composition).

## Minor

## English Minor

### Requirements

A student wishing to declare the English minor must be in good academic standing with a minimum GPA of C (2.0). The minor requires a minimum of 20 semester hours beyond 1000-level courses.

### Lower Division Coursework:

#### I. Foundations (8 semester hours--2 courses):

No more than 4 semester hours can be taken in one category.

- a. Histories
- b. Genres

### Upper Division Coursework

#### II. Explorations (12 semester hours--3 courses):

No more than 4 semester hours can be taken in one category.

- a. Author(s)
- b. Critical/Theoretical
- c. Comparative
- d. Creative/Artistry

### Note:

*A minimum grade of C (2.0) must be obtained in each course in the minor.*

## Journalism Minor

### Requirements

Open to all majors. Students who wish to major in English and minor in Journalism may double count one course.

20 semester hours of coursework with a C (2.0) or better in each class. Three courses are required: 1) JOUR 2100 Language of Journalism, 2) JOUR 3381 Journalism and New Media or JOUR 3300 Critical and Ethical Issues in Journalism, and 3) JOUR 4468 Journalism: Capstone. JOUR 2100 must be taken before or concurrently with JOUR 3381 or JOUR 3300. The lower division requirement (JOUR 2100) will give Journalism minor students the foundation for further study, acquaint them with journalistic formats, and teach them the fundamentals of reportage and news literacy, essential tools for all apprentice journalists. Students may be exempted from taking JOUR 2100 and enroll in JOUR 2210 Writing for Journalism: Workshop instead, if they can demonstrate (via résumé and portfolio) significant secondary or post-secondary journalism proficiency and experience. A course list follows:

#### 1. Two required courses

(8 semester hours)

- JOUR 2100 Language of Journalism 4 semester hours or
- JOUR 2210 Writing for Journalism: Workshop 4 semester hours

- JOUR 3381 Journalism and New Media *4 semester hours* or
- JOUR 3300 Critical and Ethical Issues in Journalism *4 semester hours*

2. One course in community journalism or specialized journalism

(4 semester hours)

3. JOUR 4468 Journalism: Capstone

(4 semester hours).

Restricted to senior Journalism minors.

4. One elective

(4 semester hours) chosen from English courses in Journalism.

Total: 20 semester hours

## **Screenwriting Minor for English Majors**

The School of Film and Television offers a minor as an option to students majoring in the writing emphasis in the English Department. The minor consists of 18 semester hours. Check for the full description of the minor under the Screenwriting section of this Bulletin.

## **Geography**

### **Director**

Peter Hoffman

### **Objectives**

Geography is one of the fundamental disciplines in the social sciences and an essential component in a liberal arts education. The critical importance of geography and the topics addressed by the discipline are recognized by its inclusion in the core curricula of the Bellarmine College of Liberal Arts, the College of Communication and Fine Arts, and the School of Film and Television.

Geography examines the relationships between people and their environment--its focus is sometimes simply referred to as "human ecology." With a distinctly spatial perspective, geography examines the wide range of places that humans have come to occupy on the Earth. Critical to that examination are an analysis of the ways in which people have modified the environment, for both better and worse, and the long term consequences of such modifications. Geography has also traditionally been the discipline that engages in the systematic study of the world's diverse countries and regions. With the dramatic political and economic transformations occurring throughout the world as a result of contemporary globalization, regional geographic analysis represents a continuing challenge to the discipline and gains greater importance every day.

### **Geography Student Learning Outcomes**

By virtue of their Geography courses, students should know:

- The general global patterns of major geographic elements and processes
- The regional structures and expressions of human environmental relationships associated with the

modern and postmodern realm

- The structures and expressions of human settlement associated with the developed realms/core and those associated with the less developed realm/periphery
- The basic research questions and agendas associated with human and regional geography
- The common theories, practices, and methodologies employed in contemporary human geography
- The global patterns of contemporary societies differentiated by their social and economic structures, values, and practices;

By virtue of their Geography courses, students should be able to:

- Effectively employ contemporary social science methodology in the analysis of environmental and geographic issues
- Demonstrate written and oral competencies in the analysis of environmental and geographic issues and policy
- Identify and utilize appropriate primary data for the analysis of environmental and geographic issues
- Apply their understanding of environmental and geographic issues to the development and critical analysis of programs and policies appropriate to addressing contemporary social and economic problems;

By virtue of their Geography courses, students should value:

- Diverse perspectives in the analysis and assessment of human environmental issues and global policies
- Thoughtful analysis of the implications of human population growth and evolving technologies in the context of social justice and sound environmental practices
- Rigorous, scientific research that enlightens human ecology and contributes to the resolution of social and environmental problems
- Community-based participation in the development of programs and policies that contribute to social, economic, political, and environmental improvement.

## **Health and Society**

### **Minor**

### **Health and Society Minor**

Director: Rachel Washburn

Health and Society is an interdisciplinary minor designed to provide undergraduate students with training in the social foundations of health. This includes, but is not limited to, how social arrangements shape morbidity and mortality patterns across different populations; the organization and financing of health care; how culture informs ideas and practices related to bodies, illness, and disease; and how people experience and make sense of illness in their everyday lives.

The minor requires students to take five courses, including HEAS 2000 Introduction to Health and Society and four additional courses selected from an approved list. Courses are offered in Bioethics, Biology, Economics, Film and Television Studies, Health and Human Sciences, History, Psychology, Sociology, and Women's and Gender Studies. Key features of the program include: 1) an interdisciplinary and rigorous approach to understanding historic and contemporary social forces that impact health, and 2) a flexible

curriculum that allows students to focus on specific issues or perspectives of interest.

Students completing the minor will know about historic and current efforts aimed at improving the health of populations and should be able to use different disciplinary lenses to analyze how social forces shape health, broadly defined. They should also be able to formulate macro- and/or micro-level interventions aimed at reducing disease burdens on particular populations.

### Health and Society Learning Outcomes

- Be able to identify the conceptual and methodological tools employed in different disciplines to study health, disease, and the body
- Be able to analyze how social forces (e.g., culture, policies, racism, class structures) shape health
- Be able to gather and analyze information related to specific health topics
- Know about specific historic and/or current efforts to improve the health of populations

### Minor Requirements

LMU students wishing to declare the Health and Society minor must meet with the program director. The director will sign the student's Change of Program form provided the student meets certain academic standards that include having a minimum LMU GPA of 2.0 (C) and not otherwise on academic probation.

The minor requires the completion of five courses (15-20 semester hours; units may vary depending on the mix of courses taken given different college/school policies on the number of semester hours offered for courses). The only required course in the minor is HEAS 2000 Introduction to Health and Society, which introduces students to important conceptual frameworks and prepares them for interdisciplinary coursework. Students must adhere to the following program guidelines:

1. In addition to HEAS 2000 Introduction to Health and Society, students may only take ONE additional lower-division course.
2. At least 10 semester hours of upper-division coursework.
3. No more than two courses may be taken from the same department or program.
4. A minimum grade of C (2.0) is required in HEAS 2000 Introduction to Health and Society in order to progress in the minor.
5. An average grade of C (2.0) is required in courses included in the minor.
6. Courses that count towards the Health and Society minor cannot also be counted towards the student's major.

Other courses that count towards the minor, include, but are not limited to the following:

- BIOE 1000 Introduction to Bioethics *4 semester hours*
- BIOL 276 Epidemics and Infectious Diseases *3 semester hours*
- EVST 3998 Special Studies *1 TO 4 semester hours* (when offered as Agriculture, Food, and Justice)
- FTVS 4700 Special Topics Theory/History *4 semester hours* (when offered as Science, Medicine, and Media)
- HHSC 322 Public Health *3 semester hours*
- HHSC 498 Special Studies *1 TO 4 semester hours* (when offered as Health Services for Marginalized Populations)
- HIST 4433 Health and Disease in American Culture *4 semester hours*
- PSYC 3019 African and Black Psychology *4 semester hours*
- SOCL 3150 Sociology of Health and Illness *4 semester hours*
- SOCL 3250 Health and Social Justice *4 semester hours*

- SOCL 3998 Special Studies 1 TO 4 semester hours (when offered as Drugs and Society)
- WGST 2200 Women's Bodies, Health, and Sexuality 4 semester hours

## History

## Faculty

Chairperson: Elizabeth Drummond

Professor: Nigel A. Raab

Associate Professors: Cara Anzilotti, Carla J. Bittel, Constance J.S. Chen, Elizabeth Drummond, Kevin McDonald, Margarita Ochoa, Anthony M. Perron, Nicolas Rosenthal, Amy Woodson-Boulton

Assistant Professors: Sean Dempsey, S.J., Meng Zhang

## Mission Statement

The study of history is integral to Loyola Marymount University's mission as a university in the Jesuit/Marymount, Catholic, and liberal arts traditions. Through intellectually demanding courses, it cultivates an understanding of both familiar and unfamiliar pasts and cultures and emphasizes how today's world evolved out of the contingent actions of and interactions between individuals and groups of people in the past. The study of history enables you to examine cultures, religions, and the interconnections among peoples and societies as complex historical phenomena, human structures open to historical interpretation and analysis. Historical perspective thus provides insight into the sequence of events, into the relationship between events at diverse times and places, and into the dynamism of structures and beliefs that can otherwise appear fixed or predetermined. The history curriculum will train you to be alert, critical, and inquisitive, able to identify your sources' biases and to contextualize their positions. Studying a broad range of places and times, you will become an informed global citizen, able to participate in public life with articulate, effective, and persuasive arguments. As you master a wide body of knowledge, you will gain cultural literacy and sensitivity, aware of your particular perspective while respecting others' backgrounds and points of view. Your own research will demonstrate that historical interpretation is always changing, while your ability to make sense of complex problems will make you an effective decision-maker. When you graduate, you will be prepared to follow any career you choose, armed with knowledge, skepticism, empathy, and eloquence. The history curriculum at LMU thus emphasizes the potential for human action, showing how an individual's actions can change the world, even as it examines the structures necessary for that action.

## Prerequisites for Declaring a Major or Minor in History

At entry to the University, students declare the major/minor through the Office of Admission. LMU students wishing to declare the major/minor must first meet with the department chair, who will ordinarily sign the student's Change of Program form. The History Department requires a minimum LMU GPA of 2.0 (C) and the students should not be on academic probation. It also requires an average grade of C (2.0) in all history courses taken before declaring a major or minor, including courses at other institutions. The history department accepts Advanced Placement courses in European and American history to fulfill lower division history requirements, provided the scores of the AP examinations are 5 or 4.

## Bachelors

# History, B.A.

## Objectives

History is the study of the human past as it is constructed and interpreted with human artifacts, written evidence, and oral traditions. It requires empathy for historical actors, respect for interpretive debate, and the skillful use of an evolving set of practices and tools.

As an inquiry into human experience, history requires that we consider the diversity of human experience across time and place.

As a public pursuit, history requires effective communication to make the past accessible; it informs and preserves collective memory; it is essential to active citizenship.

As a discipline, history requires a deliberative stance towards the past; the sophisticated use of information, evidence, and argumentation; and the ability to identify and explain continuity and change over time. Its professional ethics and standards demand peer review, citation, and acceptance of the provisional nature of knowledge.

The LMU History Department's core competencies and student learning outcomes are adapted from the AHA Tuning Project: History Discipline Core (see <https://www.historians.org/teaching-and-learning/tuning-the-history-discipline/2016-history-discipline-core>).

## History Student Learning Outcomes

1. Build historical knowledge.
  - a. Gather and contextualize information in order to convey both the particularity of past lives and the scale of human experience.
  - b. Recognize how humans in the past shaped their own unique historical moments and were shaped by those moments.
  - c. Develop a body of historical knowledge with breadth of time and place--as well as depth of detail--in order to discern context.
  - d. Distinguish the past from our very different present.
2. Develop historical methods.
  - a. Recognize history as an interpretive account of the human past--one that historians create in the present from surviving evidence.
  - b. Collect, sift, organize, question, synthesize, and interpret complex material.
  - c. Practice ethical historical inquiry that makes use of and acknowledges sources from the past as well as the scholars who have interpreted that past.
  - d. Develop empathy toward people in the context of their distinctive historical moments.
3. Recognize the provisional nature of knowledge, the disciplinary preference for complexity, and the comfort with ambiguity that history requires.
  - a. Welcome contradictory perspectives and data, which enable us to provide more accurate accounts and construct stronger arguments.
  - b. Describe past events from multiple perspectives.
  - c. Explain and justify multiple causes of complex events and phenomena using conflicting sources.
  - d. Identify, summarize, appraise, and synthesize other scholars' historical arguments.
4. Apply the range of skills it takes to decode the historical record because of its incomplete, complex, and contradictory nature.

- a. Consider a variety of historical sources for credibility, position, perspective, and relevance.
  - b. Evaluate historical arguments, explaining how they were constructed and might be improved.
  - c. Revise analyses and narratives when new evidence requires it.
5. Create historical arguments and narratives.
- a. Generate substantive, open-ended questions about the past and develop research strategies to answer them.
  - b. Craft well-supported historical narratives, arguments, and reports of research findings in a variety of media for a variety of audiences.
6. Use historical perspective as central to active citizenship.
- a. Apply historical knowledge and historical thinking to contemporary issues.
  - b. Develop positions that reflect deliberation, cooperation, and diverse perspectives.

## Major Requirements

42 semester hours, distributed as follows:

### Lower Division Requirements:

Maximum of 17 semester hours, distributed as follows and chosen in consultation with the student's advisor:

- HIST 1995 Introduction to History *1 semester hour*
- One lower-division seminar: HIST 2000, HIST 2050, HIST 2200, HIST 2450, HIST 2500, HIST 2600, HIST 2700, HIST 2800, or HIST 2910
- Maximum of 3 lower-division courses (HIST 1xxx or HIST 2xxx)
- Note: FFYS 1000 sections taught by History faculty may count towards the major; HIST 1xxx courses fulfill the University Core Explorations: Historical Analysis and Perspectives requirement; and HIST 2300-49 and HIST 2400-49 courses fulfill the University Core Foundations: Studies in American Diversity requirement.

### Upper Division Requirements:

Minimum of 25 semester hours, distributed as follows and chosen in consultation with the student's advisor:

- One upper-division seminar (HIST 5000-5899)
- Minimum of 5 upper-division history courses (HIST 3xxx, HIST 4xxx, or HIST 5xxx)
- HIST 5995 Capstone ePortfolio *1 semester hour*

### Generalist or Specialist Track:

History majors have a choice of two tracks: the Generalist Track or the Specialist Track.

#### Generalist Track

The Generalist Track is an opportunity for students to develop a broad understanding of historical developments and approaches by taking a wide range of courses from different geographical regions and time periods. The Generalist Track develops students' historical literacy as well as the critical thinking and writing skills that prepare them for a wide variety of careers. In addition to the above requirements, majors in the Generalist Track must take at least 2 courses per geographical region:

- Europe: HIST 1000-1299, 2001-2299, 3100-3299, 4100-4299, and 5100-5299
- US: HIST 1300-1499, 2300-2499, 3300-3499, 4300-4499, and 5300-5499
- World Regions: HIST 1500-1899, 2500-2899, 3000-3099, 3500-3899, 4000-4099, 4500-4899, 5000-5099, and 5500-5899

## Specialist Track

The Specialist Track offers students the opportunity to "specialize" their program of study on a particular set of issues and themes. The Specialist Track enables students to focus on particular areas of interest in the History major and to develop expertise in a given area, often in connection with a desired career pathway. In addition to the above requirements, majors in the Specialist Track must take:

- At least 1 course per geographical region:
  - Europe: HIST 1000-1299, 2001-2299, 3100-3299, 4100-4299, and 5100-5299
  - US: HIST 1300-1499, 2300-2499, 3300-3499, 4300-4499, and 5300-5499
  - World Regions: HIST 1500-1899, 2500-2899, 3000-3099, 3500-3899, 4000-4099, 4500-4899, 5000-5099, and 5500-5899
- At least 3 courses in one of the following concentrations:
  - **Public and Applied History (HPAH):** Students will focus on debates in public history, including questions of history, memory, commemoration, and identity in the public sphere, as well as issues related to the presentation of public narratives of history (e.g., in textbooks, museums, online). Students will also apply their skills of historical analysis on the practice of public history--e.g., by curating museum exhibits, by creating public history websites or blogs, and/or by interning in museums and archives. In doing so, students will apply historical knowledge to address issues of contemporary relevance and will demonstrate, to those outside of academia, the importance of historical thinking for understanding issues in the contemporary world, as well as the nature of history as a process of continual re-interpretation. Courses include: HIST 2910, HIST 3910, HIST 4273, HIST 4910, and other courses with the HPAH attribute.
  - **Law, Politics, and Society (HLPS):** Students will explore interrelationships of legal, social, and political issues in their historical context. Students will analyze law as a social institution; the intersections between law and categories such as religion, race, gender, and class; the role of law in social, political, economic, and cultural life; and the ways in which law reflects and informs social and cultural values and practices. Courses include: HIST 1300, HIST 1500, HIST 3706, HIST 4132, HIST 4150, HIST 4302, HIST 4303, HIST 4305, HIST 4432, HIST 4450, HIST 4520, HIST 4705, and other courses with the HLPS attribute.
  - **Global Economies, Encounters, and Exchange (HGEE):** Students will investigate the history of global interconnectedness, trade, and intercultural encounters and exchange. Rather than understanding world history as a collection of histories of separate regions, students will analyze world history as a series of developments that crossed state and regional lines, including the evolution of the world economy and the integration of national and regional economies, trade, migration, cultural exchange, technology transfer, colonialism and post-colonialism, and the transnational histories of race, gender, and religion. Courses include: HIST 1010, HIST 1050, HIST 1060, HIST 1120, HIST 1130, HIST 1200, HIST 1204, HIST 1301, HIST 1401, HIST 1500, HIST 1520, HIST 1600, HIST 1800, HIST 3810, HIST 4010, HIST 4020, HIST 4050, HIST 4132, HIST 4134, HIST 4205, HIST 4215, HIST 4230, HIST 4250, HIST 4281, HIST 4300, HIST 4402, HIST 4423, HIST 4520, and other courses with the HGEE attribute.
  - **Race, Gender, and Culture (HRGC):** Students will take an intersectional approach to the study of identity, analyzing how race and gender have shaped personal identity, understandings of collective belonging, social difference, structures of power and inequality,

belief systems, and political and social action. Students will explore how race and gender have intersected with--sometimes constituting, sometimes supporting, and sometimes undermining--other categories of identity and social organization, including class, religion, and nation.

Courses include: HIST 1201, HIST 1300, HIST 1301, HIST 1400, HIST 1401, HIST 1510, HIST 1700, HIST 1750, HIST 2300, HIST 2400, HIST 2405, HIST 2410, HIST 2420, HIST 3252, HIST 3272, HIST 3600, HIST 3702, HIST 4050, HIST 4126, HIST 4205, HIST 4215, HIST 4225, HIST 4250, HIST 4273, HIST 4302, HIST 4305, HIST 4401, HIST 4403, HIST 4410, HIST 4411, HIST 4412, HIST 4423, HIST 4425, HIST 4427, HIST 4430, HIST 4431, HIST 4432, HIST 4433, HIST 4440, HIST 4441, HIST 4453, HIST 4540, HIST 4700, HIST 4830, and other courses with the HRGC attribute.

- **Environment, Science, and Technology (HEST):** Students will examine how the natural environment, as well as humans' efforts to understand and control it (e.g., through agriculture, science, and technology) have shaped human history. Students will employ a variety of analytical lenses to explore science, the development of technology, and humans' relationships with nature in relation to broader historical contexts, and as products and producers of those contexts.

Courses include: HIST 1060, HIST 1900, HIST 3452, HIST 3820, HIST 4411, HIST 4433, and other courses with the HEST attribute.

- **Individual Program:** Students may design an individual area of concentration in consultation with a faculty advisor and with the approval of the Department Chair. The Individual Program must incorporate courses offered in the department and may not be fulfilled merely through independent studies courses (including the senior thesis).

Note:

An average grade of C (2.0) must be obtained in the courses included in the major.

#### History Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as HIST major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements, provided students take an average of 16 hours each semester.

#### Freshman Year

##### Fall Semester

- HIST 1995 Introduction to History *1 semester hours*
- HIST 1000-level *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-17 semester hours

### Spring Semester

- HIST 2300-49 or 2400-49 *4 semester hours*
- RHET 1000 Rhetorical Arts 3 *OR* 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- HIST Lower Division Seminar (HIST 2000, HIST 2050, HIST 2200, HIST 2450, HIST 2500, HIST 2600, HIST 2700, HIST 2800, or HIST 2910) *4 semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- HIST Lower or Upper Division *4 semester hours*
- HIST Upper Division *4 semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 14-16 semester hours

### Junior Year

#### Fall Semester

- HIST Upper Division *4 semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- HIST Upper Division *4 semester hours*
- HIST Upper Division *4 semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 14-16 semester hours

### Senior Year

#### Fall Semester

- HIST Upper Division *4 semester hours*

- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 13-16 semester hours

#### Spring Semester

- HIST Upper Division Seminar 5000-5899 4 semester hours
- HIST 5995 Capstone ePortfolio 1 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 14-17 semester hours

#### Secondary Teacher Preparation Program in Social Science (History)

For information on this program, see the Secondary Teacher Preparation Program section in this Bulletin.

### Minor

#### History Minor

##### Minor Requirements

20 semester hours, including at least 3 upper-division courses: HIST 3xxx courses, HIST 4xxx courses, and HIST 5xxx courses. History minors have a choice of two tracks: the Generalist Track or the Specialist Track:

- Generalist Track: At least one course per geographical region:
  - Europe: HIST 1000-1299, 2001-2299, 3100-3299, 4100-4299, and 5100-5299.
  - US: HIST 1300-1499, 2300-2499, 3300-3499, 4300-4499, and 5300-5499.
  - World Regions: HIST 1500-1899, 2500-2899, 3000-3099, 3500-3899, 4000-4099, 4500-4899, 5000-5099, and 5500-5899.
- Specialist Track: At least 3 courses in one of the concentrations described above (see History Major Specialist Track requirements).

##### History Minor for Liberal Studies Major

LBST students with a HIST concentration who wish to complete a HIST minor must fulfill all of the requirements of the LBST major and the HIST concentration **and** must also take one additional upper-division HIST elective. The History minor for Liberal Studies majors is 28 semester hours, including: HIST 1010; HIST 1050 or HIST 1060; HIST 1300, HIST 1301, or HIST 1401; 1 lower-division World Regions course (HIST 15xx, HIST 16xx, HIST 17xx, HIST 18xx, HIST 25xx, HIST 26xx, HIST 27xx, HIST 28xx); HIST 4412; and 2 upper-division electives.

### Humanities

## **Director**

Alexandra Neel (on sabbatical leave Fall 2020-Spring 2021)

## **Faculty**

Professor: Áine O'Healy

Associate Professor: Alexandra Neel

## **Bachelors**

### **Humanities, B.A.**

#### Objectives

The Humanities major is designed to meet the needs of a student who has a broad interest in liberal arts but whose interest would not be served by a major program within a single department. The Humanities major is an interdisciplinary program that draws on courses taught in several departments in the Bellarmine College of Liberal Arts (History, English, Classics, Philosophy, Theological Studies, Modern Languages and Literatures) and the College of Communication and Fine Arts (Art History). In the first two years the student acquires a broad background in the arts, history, and literature. Language study through the intermediate level is also required. In the second two years, the student concentrates in a particular area of interest. The concentration consists of four (4) upper-division courses taken from departmental offerings in Archaeology, Art History, Classics, English, French, German, Greek, History, Italian, Latin, Philosophy, Spanish, Theological Studies, or various area studies, including African American Studies, Asian and Pacific Studies, Chicana/o and Latina/o Studies, and Women's and Gender Studies. The concentration is then supported by three (3) upper-division courses from one or two supporting fields selected in consultation with the Humanities advisor. All Humanities majors are required to complete, in their final semester, a Capstone Project (HMNT 4997), which marks the culmination of the student's interdisciplinary course of study.

The program provides students with the motivation, knowledge, and skills necessary to read, write, and think critically about the issues that have occupied the writings of humanists for centuries, as well as to examine, question, and challenge their own moment in cultural history in light of the values associated with humanism.

The program is a fine preparation for students interested in professional courses in law, business, or education. Also, the program is designed to allow students to complete a major in a disciplinary area that would qualify them for graduate studies.

#### Humanities Student Learning Outcomes

By virtue of pursuing a major in Humanities,

Students should know:

- How knowledge has been pursued, established, and critically evaluated in at least two different disciplines representing their concentration and supporting field of study
- The various ways in which artists have developed the fine arts to convey their sense of the world's surface and its depth
- A foreign language
- The content as well as analytical and communicative skills that the study of their concentration

demands;

Students should be able to:

- Communicate insights clearly, effectively, and with nuance in both oral and written form
- Synthesize insights from a variety of disciplines
- Develop insights from one discipline for the enrichment of others;

Students should value:

- The variety of ways in which cognitive, moral, and aesthetic disciplines have enriched our sense of the human condition
- The further pursuit of those disciplines, as required by their deeper sense of the complexity of the human condition
- Their responsibility to serve the world as whole persons, with head, heart, and hand.

Major Requirements

Lower Division Requirements:

*19 semester hours distributed as follows:*

8 semester hours from:

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ARHS 2004 Modernism *4 semester hours*

3 semester hours in Studio or Performance Arts.

8 semester hours from one of the following language sequences:

- CHIN 2103 Chinese 3 *4 semester hours*
- CHIN 2104 Chinese 4 *4 semester hours*
  
- FREN 2103 French 3 *4 semester hours*
- FREN 2104 French 4 *4 semester hours*
  
- GRMN 2103 German 3 *4 semester hours*
- GRMN 2104 German 4 *4 semester hours*
  
- ITAL 2103 Italian 3 *4 semester hours*
- ITAL 2104 Italian 4 *4 semester hours*
  
- JAPN 2103 Japanese 3 *4 semester hours*
- JAPN 2104 Japanese 4 *4 semester hours*
  
- MDGK 2203 Intermediate Modern Greek I *4 semester hours*
- MDGK 2204 Intermediate Modern Greek II *4 semester hours*

- SPAN 2103 Spanish 3 *4 semester hours*
- SPAN 2804 Stylistics and Composition 4 *semester hours*

Note:

An average grade of C (2.0) must be obtained in courses included in the major.

Upper Division Requirements:

At least 30 semester hours in upper division courses distributed as follows:

- 16 semester hours in concentration in a departmental major.
- 12 semester hours in one or two fields which supports the concentration.

And, in the final semester

2 semester hours focusing on the Capstone Project (HMNT 4997).

Note:

An average grade of C (2.0) must be obtained in courses included in the major.

The choice of a concentration and of support courses must be formally approved by the Director.

Humanities Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower-division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

Freshman Year

Fall Semester

- FFYS 1000 First Year Seminar 3 *OR 4 semester hours*
- Foreign Language (2101-level) 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

Spring Semester

- RHET 1000 Rhetorical Arts 3 *OR 4 semester hours*
- Foreign Language (2102-level) 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

Sophomore Year

## Fall Semester

- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours* or
- ARHS 2004 Modernism *4 semester hours* or
- Performing Arts *3 semester hours*
  
- Foreign Language (2103-level) *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours

## Spring Semester

- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours* or
- ARHS 2004 Modernism *4 semester hours* or
- Performing Arts *3 semester hours*
  
- Foreign Language (2104-level, or FREN 2104, or SPAN 2804) *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

## Junior Year

### Fall Semester

- Upper Division Concentration *4 semester hours*
- Upper Division Support Field *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- Upper Division Support Field *4 semester hours*
- Upper Division Concentration *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- Upper Division Support Field 4 *semester hours*
- Upper Division Concentration 4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 14-16 semester hours

Spring Semester

- HMNT 4997 Capstone Project 2 *semester hours*
- Upper Division Concentration 4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 12-14 semester hours

## **Irish Studies**

### **Director**

Dermot Ryan

### **Minor**

## **Irish Studies Minor**

Objectives

Irish Studies is an interdisciplinary minor designed to complement a wide variety of majors by providing students with an understanding of the cultural development of the Irish people and the significance of their intellectual, artistic, spiritual, and economic contribution to world civilization, including their experiences as both a post-colonial nation, an emigrant diaspora, and as the gateway to Europe. Taken together, Ireland's historical evolution; its long experience of colonization and cultural oppression; its rich contribution to world literature, art, and music; the creative tension in contemporary Ireland between its ancient Celtic heritage and its modern Anglo-Irish/Hiberno-English identity; and its remarkable though often unacknowledged influence upon the countries--chiefly the United States, Great Britain, Canada, Australia, New Zealand, and South Africa--that make up the far-flung Irish diaspora constitute a fertile field for intellectual inquiry.

Focused simultaneously serving the Southern California Irish community and serving students who aspire to a greater understanding of Ireland's cultural, artistic, political, economic, and diplomatic contributions, the minor in Irish Studies is designed to be not merely interdisciplinary but intercultural. Students minoring in Irish Studies will have the flexibility to explore the richness of the Irish experience from a broad range of perspectives and the opportunity to assess Ireland's influence not only in Europe and America but on struggles against cultural and political oppression around the globe.

Irish Studies Student Learning Outcomes

Students minoring in Irish Studies are given opportunities to learn about:

- The general history of Ireland and the Irish diaspora

- The distinctive literary achievements of the Irish
- Irish achievements in cinema and dance
- Historical, religious, and moral issues in contemporary Irish politics
- The intersection/intermingling of Celtic and Christian worldviews
- The connection of Irish struggles for freedom and self-determination to similar struggles in the United States and around the world

Students minoring in Irish Studies will be given opportunities to develop:

- Their ability to perform research into several distinct aspects of the Irish experience
- Their ability to compose well-written and thoughtful essays on Irish history, politics, religion, and culture
- Their ability to evaluate and appreciate Irish achievements in the arts
- Their ability to make connections across disciplines, countries, and cultures

Students minoring in Irish Studies will be encouraged to value:

- The Irish struggle against cultural and political oppression and its relation and continuing relevance to similar struggles around the world
- The distinctive contributions of the Irish to European, American, and world civilization.

### Study Abroad

Students can earn up to eight semester hours toward the minor in Irish Studies in the LMU Summer in Ireland Program at Trinity College Dublin, one of the oldest and most renowned universities in the world. Students can also arrange to spend a semester or year abroad at an Irish university.

### Minor Requirements

LMU students wishing to declare the Irish Studies minor must meet with the program director. The director will sign the student's Change of Program form provided the student meets certain academic standards that include having a minimum LMU GPA of 2.0 (C) and not otherwise being on academic probation.

**20 semester hours, including at least one course in Irish literature and one in Irish history.** At least 12 semester hours must be in upper division courses. An average grade of C (2.0) must be maintained in Irish Studies courses.

Note:

Courses offered in other departments and programs may be used as semester hours to fulfill the minor requirements in IRST, provided the student receives the approval of the Director in advance of taking the course. Students seeking such approval must arrange with the relevant instructor to complete a substantial paper/project on Ireland and/or the Irish diaspora and must submit a copy of same to the Director at the end of the course. No more than eight semester hours (2 such courses) may be applied toward the 20 total semester hours required to complete the Irish Studies minor. Such courses may also have departmental prerequisites; consult Course Descriptions for further details.

## Jewish Studies

### Director

Holli G. Levitsky

## Minor

### Jewish Studies Minor

#### Objectives

Jewish Studies provides an academically rigorous minor to examine Jewish history, culture, faith, and practice in its unity and diversity across geographic, political, historical, religious, and aesthetic boundaries and dimensions.

The Jewish Studies program is unique in that it provides:

1. A rigorous foundation for the academic minor, including interfaith study abroad courses
2. Regular opportunities for engaged learning, such as endowed lectureships, partnerships, and collaborations with museums, local and international colleges and universities, and Jewish organizations in Los Angeles; and special events for the University and the community. The Jewish Studies program sponsors three endowed events each year, which Jewish Studies minors can actively participate in.
3. Jewish Studies Scholarships, Fellowships, and Awards are available for academic excellence, student travel and research, financial need, and other special considerations.
4. The LMU Interfaith Course Development Grant is awarded each Fall to a faculty member to expand the course offerings in the area of interfaith relations.

The Jewish Studies program provides students with a diversity of Jewish perspectives and is open to students of all faiths and backgrounds. Through education and community outreach, the Jewish Studies program offers a profound opportunity to engage others directly and constructively in order to promote greater understanding and appreciation of Judaism and its relation to other faith traditions, and to act together upon such respect and understanding.

Faculty from a range of departments, schools, and colleges teach courses in Jewish Studies, many of which are cross-listed with Core and other University requirements. For questions relating to these and other matters in Jewish Studies, students should consult the Director of the Jewish Studies program.

#### Jewish Studies Student Learning Outcomes

Students will know:

- The nature of the Jewish religious experience
- Significant aspects of Jewish history, culture, and literature/art
- Significant developments in and implications of Jewish/Christian relations

Students will be able to:

- Demonstrate critical reflection on significant aspects of Jewish history, culture, religion, and literature/art
- Conduct critical research and write intelligently and persuasively on issues within Judaism
- Synthesize and apply this knowledge to pursue justice locally and globally

Students will value:

- The rich contribution of the Jewish people to history, culture, religion, and literature/art
- The importance of inter-religious dialogue

- The living vitality of Jewish faith and culture through the promotion of justice.

## Study Abroad

LMU Jewish Studies offers two Study Abroad courses, alternating each summer: "Literature and Faith in the Holy Land," in Israel; and "Poland and the Holocaust," in Poland. In consultation with the Director, one or both of these courses can be applied toward the Jewish Studies minor. The LMU Semester exchange at Hebrew University in Jerusalem, and Study Abroad courses offered through other programs or colleges, may also satisfy Jewish Studies' requirements.

## Jewish Studies Minor Requirements

The foundational courses for the Jewish Studies minor address its interdisciplinary nature and the Jewish Studies mission to provide opportunities to engage the community. The required 20 semester hours must include JWST 3000 Modern Jewish History, JWST 3750 Judaism: Religion, History, and Culture (Ancient through Modern), two courses from the University Core, such as First Year Seminar: Literature of Exile and Terror, First Year Seminar: Modern Jewish Literature; Explorations: Ideas of Zionism; Integrations: The History and Psychology of the Holocaust and Genocide. In consultation with the Program Director, other Core courses may satisfy this requirement. The final course requirement can be chosen from JWST 4900 Capstone Project, an approved Study Abroad course, or an approved course in Jewish literature, film, or culture.

## Liberal Arts

Liberal Arts courses (LIBA), offered by the Bellarmine College of Liberal Arts, are designed to enrich the academic, career-related, and life skills of our students.

## Liberal Studies

### Director

Bernadette Musetti

### Bachelors

## Liberal Studies, B.A.

### Objectives

The Liberal Studies program enables the student to meet elementary education Multiple Subject teacher preparation standards. The Liberal Studies program curriculum likewise serves the Loyola Marymount University mission.

### Liberal Studies Student Learning Outcomes

The Liberal Studies program student will master the content required of professional educators in the State of California, to include:

- Key concepts in the following academic fields: the social sciences and history, the arts and humanities, language studies, mathematics and science, health, physical education, human development, and in an approved academic concentration of the candidate's choice

- Candidates will demonstrate their mastery of the subject matter by successfully passing the CSET (California Subject Examination for Teachers) at the completion of their coursework.

The Liberal Studies program student will master the skills required of professional educators in the State of California:

- To synthesize subject content in the liberal arts, professional content related to classroom teaching, and educational policies
- To apply reading, writing, and research skills appropriate to the work of the academic disciplines being studied
- To apply academic concepts to practical teaching contexts
- To analyze, reflect on, and evaluate the relationships among academic theories, the practical and applied contexts of teaching, and the multiple and complex needs of students comprising a rich and diverse globe
- Candidates will demonstrate the ability to synthesize and the other skills listed above in an exit interview at the completion of required coursework

The Liberal Studies program student will value:

- Intellectual inquiry across a range of subjects
- A world view comprising faith, social justice, and a respect for diversity
- The individual's role as a future educator who will shape the lives of children, local communities, and larger national and global societies;

Liberal Studies students will develop in their roles as:

- Critical thinkers and creative problem solvers
- Responsible local and global citizens
- Culturally responsive and reflective learners and practitioners
- Collaborators in a community of learners characterized by the Ignatian imagination
- Effective, caring educators who are advocates for equity
- Curricular leaders who value multiple ways of knowing.

Per Federal Regulation 34 CFR 668.43(a)(5)(v), all LMU School of Education credential/licensure programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC) and for the CA Board of Behavioral Sciences as appropriate. The institution has not made a determination as to whether these credential, licensure, and professional preparation programs meet the requirements of states outside of California. If you are interested in practicing outside the state of California, it is recommended that you contact the respective licensing entity of that state to seek information or guidance regarding their licensure and credential requirements in advance to allowing appropriate planning.

- Multiple Subjects
- Bilingual Authorization

There are five key components to the Liberal Studies major:

#### I. University Core Curriculum

*48 semester hours*

Subject-matter requirements for Liberal Studies majors are specific and may differ from those of other

majors within the Bellarmine College of Liberal Arts. The core course requirements are spread across 13 courses and three areas--Foundations, Explorations, and Integrations--and include six core "flags."

### **Foundations**

- FFYS 1000 First Year Seminar FFYS Core (3 OR 4 semester hours)
- RHET 1000 Rhetorical Arts (3 OR 4 semester hours)
- Quantitative Reasoning: MATH 106 Mathematics for Elementary Teachers I (3 semester hours). Liberal Studies majors must take a placement test and either test out of or take MATH 101 as a prerequisite to MATH 106.
- Theological Inquiry (4 semester hours)
- Philosophical Inquiry (4 semester hours)
- Studies in American Diversity: Choose from advisor-approved list of ethnic studies related content (4 semester hours)

### **Explorations**

- Creative Experience: ART 250 Visual Arts for the Elementary Educator (3 semester hours)
- Historical Analysis and Perspectives: Select from advisor-approved list (4 semester hours)
- Nature of Science, Technology, and Mathematics: SCEM 270 Experimenting in Science I (4 semester hours)
- Understanding Human Behavior: PSYC 1000 General Psychology (4 semester hours)

### **Integrations:**

Choose from advisor-approved list for Interdisciplinary Connections as well as for Ethics and Justice.

- Faith and Reason (4 semester hours)
- Ethics and Justice (3-4 semester hours)
- Interdisciplinary Connections: LBST 4900 Education and Global Issues (4 semester hours)

### **Flags**

Additionally, students fulfill the "flag" requirements as follows:

- Writing (2 flags)
- Oral Skills (1 flag)
- Information Literacy (1 flag)
- Quantitative Reasoning (1 flag)
- Engaged Learning (1 flag)

## II. Liberal Studies Major Requirements

*55 semester hours*

- ART 250 Visual Arts for the Elementary Educator *3 semester hours*
- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance *3 semester hours*
- DANC 385 Movement Arts for Children *3 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*
- GEOG 2000 World Geography *4 semester hours*
- HIST 1010 Premodern World History *4 semester hours*
  
- HIST 1050 Modern World History *4 semester hours*

or

- HIST 1060 Modern Global Environmental History *4 semester hours*
- HIST 1300 Becoming America *4 semester hours* (or other advisor-approved course, such as HIST 1301 or HIST 1401)
- HIST 4412 History of California *4 semester hours* (or advisor-approved course in history of California)
- LBST 4900 Education and Global Issues *4 semester hours*
- MATH 106 Mathematics for Elementary Teachers I *3 semester hours*
- MATH 207 Mathematics for Elementary Teachers II *3 semester hours*
- PSYC 1000 General Psychology *4 semester hours*
- SCHEM 270 Experimenting in Science I *4 semester hours*
- SCHEM 271 Experimenting in Science II *4 semester hours*

### III. Education Program Requirements

*27 semester hours*

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours \**
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours \**
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours \**
- EDES 506 Using Technology in the Classroom *1 semester hours \**
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours \**
- EDES 519 Clinical Supervision 1 *1 semester hours \**
- EDES 508 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours \**
- EDES 522 Elementary Clinical Supervision 2 *1 semester hours \**
- EDES 509 STEM Integrated Methodology and Elementary Curriculum *3 semester hours \**
- EDES 523 Elementary Clinical Supervision 3 *1 semester hours \**

Note:

\* Starred courses to be taken after formal acceptance into the LMU School of Education. Acceptance into these programs requires a cumulative GPA of 3.0.

### IV. Electives

*5-8 semester hours*

Liberal Studies majors fulfill the Multiple Subjects student teaching requirement for the teaching credential by completing 3 semester hours of Elementary Teaching Seminar and 2-5 semester hours of Elementary Clinical Supervision 4, which are applied toward both the semester hour requirement for the baccalaureate degree in Liberal Studies and the requirements for the credential within the state of California. Whereas the B.A. degree in Liberal Studies and California teaching credential are separate, many requirements for the credential are earned through fulfilling the B.A. requirements, including student teaching, where this is met through elective units taken as Elementary Teaching Seminar (EDES 510) and Elementary Clinical Supervision 4 (EDES 524).

## V. Concentration

### *12-20 semester hours*

In addition to the above requirements, all Liberal Studies majors complete a minimum of 12 semester hours of coursework in a chosen area of concentration, which represents a subject area generally taught in elementary schools or a related area of study. With careful planning, the concentration can constitute most, if not all, of an LMU minor. Students must declare a concentration by the fall semester of their sophomore year. See the Bulletin for qualifying concentrations and their specific requirements.

### **Bilingual Authorization** (9 semester hours)

Credential candidates with the demonstrated requisite language proficiency can earn a bilingual authorization to teach in either Spanish or Mandarin in an elementary classroom. The authorization requires students to complete part of their coursework and student teaching in a bilingual classroom. The bilingual authorization may contribute to meeting other requirements as well, such as those for particular concentrations, including the concentration in Bilingualism and Biliteracy. See the Director of Bilingual Programs if interested in earning the bilingual authorization.

### Concentrations

#### Bilingualism and Biliteracy (BLBL)--12-13 semester hours

The Liberal Studies concentration in Bilingualism and Biliteracy is designed to allow credential candidates with the requisite language proficiency to also earn the Bilingual Authorization to teach bilingually, which at LMU currently is offered in Spanish and Mandarin. Required coursework includes the study of methodology, culture, and the processes of bilingualism and biliteracy. Students earning the authorization are required to do half of their student teaching in a bilingual setting as well. The required authorization courses follow either the Spanish or Mandarin track for a total of 9 semester hours. For students earning the LBST concentration in bilingualism and biliteracy, an additional upper division course, approved by the Director of Bilingual Programs at LMU will be required, for a total of 12-13 semester hours.

- Bilingualism and Biliteracy: Spanish Track
  - EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting (3 semester hours)
  - EDES 418 Bilingualism and Biliteracy (3 semester hours)
  - EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective (3 semester hours)
  - One additional concentration-related course as approved by the Bilingual Programs Director (3-4 semester hours)
- Bilingualism and Biliteracy: Mandarin Track
  - EDES 418 Bilingualism and Biliteracy (3 semester hours)
  - EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings (3 semester hours)
  - EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective (3 semester hours)
  - One additional concentration-related course as approved by the Bilingual Programs Director (3-4 semester hours)

*Advisor: Dr. Francisco Ramos, Francisco.Ramos@lmu.edu, 310.338.4515, UH 2649*

#### Dance (DANC)--18 semester hours

The Dance curriculum builds upon the foundation of dance as a humanistic experience. The study of dance as an art form serves as the heart of the course of study. Studio and theory coursework are designed to integrate practical dance experience with more formal academic study so that the student is educated as a dancer who can perform, write, and speak about the art of dance and dancing.

- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process (3 semester hours)
- DANC Theory upper division courses (9 semester hours), exclusive of DANC 385 (c.f., Bulletin for courses designated as Theory)
- DANC Technique upper division courses (6 semester hours) (c.f., Bulletin for courses designated as Theory)

*The Dance concentration constitutes a minor in DANC. Students should be aware that DANC 363 and DANC 385 cannot be applied towards the concentration requirement, although the Bulletin lists them among the options for the Theory requirement for the minor.*

*Advisor: Patrick Damon Rago, Patrick.Rago@lmu.edu, 310.338.3740, Burns Fine Arts 249*

Early Childhood Education (ECED)--12 semester hours

The concentration in Early Childhood Education is designed for Liberal Studies majors with an interest in the development of children, from prenatal development to age eight. Students will comprehensively examine the whole child, prenatal development through age 8. In addition to an in-depth understanding of all developmental domains (cognitive, language, social, emotional, and physical), students will gain knowledge of theory, research, and developmentally appropriate best practices. Coursework includes an emphasis on significant issues found in early childhood education, such as environmental influences from the family and community, children with special needs, diversity, second language learners, and social justice.

- EDES 405 Infancy (3 semester hours)
- EDES 406 Early Childhood (3 semester hours)
- EDES 407 Child, Family, and Community (3 semester hours)
- EDES 408 Early Childhood Education Programs and Curriculum (3 semester hours)

*Advisor: Dr. Candace Poindexter, Candace.Poindexter@lmu.edu, 310.338.7314, UH 2643*

English (ENGL)--16 semester hours

Believing that literature is a profound expression of human experience, the English Department uses a range of critical methods to introduce students to literatures in English from a variety of cultural traditions. The course work reveals the art form's creative beauty, strategies for representing the human experience, and its power to shape the reader. The English Department encourages an understanding of the critical and creative union of reading and writing as fundamental to the processes of developing the human self. Through their imaginations, students who concentrate or minor in English interact with language and literature, thereby encountering another equally open and attentive mind: that of the writer whose work they are reading.

- ENGL 2203 Histories: British Literature I (4 semester hours) *or* ENGL 2204 Histories: British Literature II (4 semester hours)
- ENGL 3371 American Literature I (4 semester hours) *or* ENGL 3372 American Literature II (4 semester hours)
- ENGL 2205 Creative Writing for Non-Majors (4 semester hours)
- ENGL upper division course (4 semester hours, exclusive of ENGL 3346)

*Advisor: Dr. Stuart Ching, email: sching@lmu.edu, 310.338.4451, UH 3863*

## History (HIST)--12 semester hours

The study of history is integral to Loyola Marymount University's mission as a university in the Jesuit/Marymount, Catholic, and liberal arts traditions. It contributes to "the encouragement of learning" through intellectually demanding courses that cultivate an understanding of both familiar and unfamiliar pasts and cultures. It educates "the whole person" by focusing on a multiplicity of perspectives and experiences, and by attempting to understand the lived, bodily experience of the "whole person" in the past. History courses ground discussions of "the service of faith and the promotion of justice" by putting these ideas in context, showing change over time, and emphasizing how today's world evolved out of the contingent actions of and interactions between individuals and groups of people. The study of history enables the student to examine cultures, religions, and the interconnections among peoples and societies as complex historical phenomena, human structures open to historical interpretation and analysis. Historical perspective thus provides insight into the sequence of events, into the relationship of events at diverse times and places, and into the dynamism of structures and beliefs that can otherwise appear fixed or predetermined. The study of history therefore also leads to greater sensitivity to and awareness of cultural differences and similarities, as well as conflicting interpretations of events.

Three four-semester-hour HIST courses (12 semester hours):

1. One of the following HIST courses (these are required for the Liberal Studies major):
  - a. HIST 1300 Becoming America, HIST 1301 America and the Atlantic World 1450-1850, HIST 1400 The United States and the World, OR HIST 1401 The United States and the Pacific World
  - b. HIST 1010 Premodern World History OR HIST 1050 Modern World History; or HIST 1060 Modern Global Environmental History
  - c. HIST 4412 History of California
2. One lower-division HIST course in World Regions (Africa, Asia, Latin America, or Middle East); 15xx, 16xx, 17xx, or 18xx
3. One upper-division HIST course (3xxx or 4xxx) (may not include HIST 4412 History of California)

LBST students with a HIST concentration who wish to complete a HIST minor must fulfill all of the requirements of the LBST major and the HIST concentration and must also take one additional upper-division HIST elective. The History minor for Liberal Studies majors is 28 semester hours, including HIST 1010; HIST 1050 or HIST 1060; HIST 1300, HIST 1301, or HIST 1401; 1 lower-division World Regions course (HIST 15xx, HIST 16xx, HIST 17xx, HIST 18xx, HIST 25xx, HIST 26xx, HIST 27xx, HIST 28xx); HIST 4412; and 2 upper-division electives.

*Advisor: Dr. Elizabeth A. Drummond, Elizabeth.Drummond@lmu.edu, 310.338.2370, UH 3423*

## Mathematics (MATH)--12 semester hours

Through the concentration in Mathematics, future teachers develop an increased understanding of mathematical ideas and learn how creativity and imagination play an integral part of mathematics in general.

- At least 4 Mathematics courses numbered 104 or higher (12 semester hours) (exclusive of MATH 106, MATH 112, and MATH 207)

*Note: Students completing a MATH concentration should talk to the Liberal Studies Mathematics Concentration Advisor about offerings designed for future teachers.*

*Supplementary Authorization in (Introductory) Mathematics:* A Supplementary Authorization in (Introductory) Mathematics allows one to teach mathematics through ninth grade (for more details on the Supplementary Authorization, visit the website of the California Commission on Teacher Credentialing). A Supplementary Authorization requires 20 semester hours of courses in mathematics (or 10 upper-division semester hours), including three semesters of calculus. If the courses for the concentration are chosen appropriately, **one** additional course (together with MATH 106 and MATH 207) will allow students to apply for a Supplementary Authorization in (Introductory) Mathematics).

*Advisor: Dr. Christina Eubanks-Turner, christina.eubanks-turner@lmu.edu, 310.338.5107, UH 2714.*

Psychology (PSYC)--12 semester hours

Students of psychology examine in depth and from a scientific perspective many aspects of human and animal behavior, emphasizing the biological, psychological, and sociocultural aspects of behavior and mental activity. The Department of Psychology provides students with the opportunity to apply these perspectives to a variety of individual, family, and community contexts.

- PSYC 3000-level courses (12 semester hours)

*Note that PSYC 1000 is a prerequisite for 3000-level psychology courses (it also will fulfill the Explorations: Understanding Human Behavior requirement in the University Core). A minor in PSYC requires the completion of three lower division courses and three upper division courses; a minor in PSYC will be accepted in place of the concentration above for students who pursue the minor.*

*Advisor: Dr. David Hardy, dhardy@lmu.edu, 310.338.5294, UH 4745*

Science (SNCE)--18 semester hours

The concentration in Science was designed to enable Liberal Studies majors with an interest in science to create an individualized program of study around a central theme. Each student will work with the Liberal Studies Science Advisor to identify an area of interest and formulate a curricular plan that provides each student with a strong foundation and enables him/her to develop a more in-depth understanding of the topic of interest by taking at least one and in many cases two upper division courses.

Satisfactory completion of the concentration in science will require that each student complete a minimum of 18-19 semester hours in one or more of the science disciplines. At least 3 of these semester hours must be upper division.

All concentrations in science will include 4 science core semester hours from SCHEM 270 and 3 science education internship hours. The remaining 11-12 semester hours will form the core of the concentration in science and will reflect the central theme. The following examples are by no means exhaustive and are only provided to demonstrate the flexibility of the concentration; there is even room for flexibility within the samples below. Any student considering a concentration in science should make an appointment to discuss his/her options with the Liberal Studies Science Advisor as soon as possible to ensure adequate time to fulfill the requirements.

### **Nutrition (Sample)**

- HHSC 150 Human Anatomy and Physiology 3 semester hours
- HHSC 230 Nutrition 3 semester hours
- HHSC 398 Special Studies Global Nutrition 3 semester hours
- HHSC 398 Special Studies Nutrition Service Learning Lab 3 semester hours
- HHSC 342 Peer Health Education 3 semester hours

Total: 15 semester hours

### **Humans and the Environment (Sample)**

- ENVS 101 Introduction to Environmental Science 3 semester hours
- ENVS 250 Earth Science 3 semester hours
- BIOL 521 Urban Ecology 3 semester hours

Total: 9 semester hours

### **Health (Sample)**

- BIOL 101 General Biology I 3 semester hours
- HHSC 170 Personal Health 3 semester hours
- HHSC 398 Special Studies: Obesity Behavior and Chronic Disease 3 semester hours
- HHSC 398 Special Studies: Public Health 3 semester hours

Total: 12 semester hours

### **Genetics (Sample)**

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- BIOL 201 Cell Function 3 semester hours
- BIOL 202 Genetics 3 semester hours
- BIOL 375 Advanced Genetics 3 semester hours

Total: 14 semester hours

*Advisor: Dr. Carolyn Viviano, Carolyn.Viviano@lmu.edu, 310.338.7828, North Hall 207*

Sociology (SOCL)--16 semester hours

Teachers play a key role in the intellectual and social development of children, and the lessons they teach are important in determining the individual character, social responsibility, and future career paths of students. Sociology courses expose teachers to the distinctive perspectives, problems, and concerns of different persons and groups in society and suggest ways to resolve conflicts and produce more equitable and just relationships and communities. Sociology classes help teachers develop skills of creative problem solving, critical thinking, and collaborative interaction useful in the classroom and impart techniques of data collection and analysis which facilitate observation and evaluation of student performance.

- SOCL 1000 Principles of Sociology (4 semester hours)
- SOCL 3000 Sociological Theory (4 semester hours)
- SOCL upper division courses (8 semester hours)

*A minor in SOCL requires one more course, SOCL 2000 or SOCL 2100.*

*Advisor: Dr. Rachel Washburn, rachel.washburn@lmu.edu, 310.338.1794, UH 4327*

Spanish (SPAN)--16 semester hours

The Spanish concentration equips students with language proficiency as it introduces them to the multicultural nature and historical evolution of literacy and cultural expressions in the target language. Our courses provide students with opportunities to comprehend, interpret, and practice advanced linguistic skills in Spanish. Our courses include linguistics, literature, history, and the arts, through which students acquire an increasing commitment to the mission of the University. The Department strives to provide tools to foster

transcultural understanding as the basis for mutual respect, global harmony, and social justice.

Note: Students required to complete prerequisite language coursework or LMU Placement Exam, prior to taking advanced language courses.

- 4th semester language
- SPAN 2804 Stylistics and Composition (4 semester hours)
- 3 upper division courses (12 semester hours); refer to the LMU Bulletin for specific upper division requirement sequences for each language

A minor in SPAN requires only one additional upper division course to obtain a minor.

*Advisor: (SPAN) Dr. Alicia Partnoy, 310.338.3011, UH 3961*

Special Education (SPED)--12 semester hours

The Special Education program in LMU's School of Education is designed to prepare undergraduate students to teach and work with children and youth with a variety of special needs. The Special Education concentration prepares students to work with students with Mild/Moderate disabilities in the General Education classroom. Through the SPED concentration students learn, for example, about major issues in Special Education, how to develop an IEP, and are able to observe and participate in K-12 classrooms with experienced teachers working with students with a variety of special needs. Students also benefit from a capstone course in SPED. The SPED concentration requires the following:

- EDSP 427 Creating Effective Classrooms in Diverse Settings (3 semester hours)
- EDSP 444 Observation and Participation in General and Special Education Programs (3 semester hours)
- EDSP 453 Introduction to the Study of Disability and Special Education (3 semester hours)
- EDSP 454 Major Issues and Foundations of Special Education (2 semester hours)
- EDSP 455 Development of IEPs for Students with Exceptional Needs (1 semester hour)

*A minor in SPED requires two additional courses--EDSP 436 Creating Collaborative Partnerships and EDSP 499 Independent Studies, taken as the Undergraduate Special Education Capstone Project (for a total of 18 semester hours). Students should consult with the SPED concentration or minor advisor regarding sequencing of the coursework.*

*Advisor: Morgan Friedman, Morgan.Friedman@lmu.edu, 310.258.8806, UH 3404*

Studio Arts (STAR)--18 semester hours

The Studio Arts concentration is designed to develop the Liberal Studies student in the visual arts, both personally and professionally. In this concentration you will learn a universal language through which diverse groups of people can communicate ideas, feelings, histories, and cultural traditions across boundaries of race, gender, age, and ethnicity. Decades of practice and a growing body of research have documented the links between arts education and the development of higher level thinking skills. Through this concentration, you will learn how art has the potential to enrich your life, and the lives of your future students.

- ART 153 Drawing I (3 semester hours) or ART 160 Two-Dimensional Design (3 semester hours)
- ART electives (15 semester hours, with at least 6 semester hours in upper division courses)

*The Art concentration constitutes a minor in Art.*

*Advisor: Terry Lenihan, tlenihan@lmu.edu, 310.338.5130, Burns 155*

## 2+2 Program with El Camino College

The Center for Undergraduate Teacher Preparation in the School of Education has partnered with El Camino College (ECC) to develop a teacher preparation pipeline for Liberal Studies students where programs are integrated and coursework is streamlined from initial matriculation at ECC, through program completion at LMU. The goal is to create a pipeline where students successfully complete two years at the Community College, transfer to LMU, and complete their major requirements and preliminary credential requirements within an additional two years.

### Liberal Studies Model Four-Year Plan

The typical course load for an undergraduate student is 15-16 semester hours per semester. The following model represents a student who is completing a 15-semester-hour concentration, does not need to complete any prerequisites for required coursework, and is pursuing the 2042 Multiple Subject teaching credential. Students with larger concentrations, those required to take MATH 101 (or other prerequisite coursework), and/or those seeking credentials in Bilingual or Special Education may need to "overload" during some semesters and/or complete summer coursework. Please note that the model is provided as a guideline rather than a prescriptive course of study. Students will need to be flexible implementing the model plan, given variability of course availability and other potential scheduling issues in any given semester.

### Freshman Year

#### Fall Semester

- HIST 1300 Becoming America 4 *semester hours* (or other U.S. History course from advisor-approved list only)
- ART 250 Visual Arts for the Elementary Educator 3 *semester hours*
- FFYS 1000 First Year Seminar 3 *OR* 4 *semester hours*
- MATH 106 Mathematics for Elementary Teachers I 3 *semester hours*
- PHIL 1800 Philosophical Inquiry 4 *semester hours*

Total: 14-15 semester hours

#### Spring Semester

- MATH 207 Mathematics for Elementary Teachers II 3 *semester hours*
- PSYC 1000 General Psychology 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 *OR* 4 *semester hours*
- University Core 3-4 *semester hours*
- ART 250 Visual Arts for the Elementary Educator 3 *semester hours*

Total: 16-19 semester hours

### Sophomore Year

#### Fall Semester

- HIST 1010 Premodern World History 4 *semester hours* (or other from advisor-approved list only)
- University Core 3-4 *semester hours*
- EDES 501 Teaching and Learning in Diverse Communities 3 *semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments 3 *semester hours*
- SCEM 270 Experimenting in Science I 4 *semester hours*

Total: 17-18 semester hours

#### Spring Semester

- HIST 1050 Modern World History *4 semester hours* (or other from advisor-approved list only)
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance *3 semester hours*
- SCEM 271 Experimenting in Science II *4 semester hours*
- Concentration Course *3-4 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*

Total: 17-18 semester hours

#### Junior Year

##### Fall Semester

- HIST 4412 History of California *4 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- GEOG 2000 World Geography *4 semester hours*
- DANC 385 Movement Arts for Children *3 semester hours*
- Concentration Course *3-4 semester hours*
- Concentration Course *3-4 semester hours*

Total: 17-18 semester hours

##### Spring Semester

- LBST 4900 Education and Global Issues *4 semester hours* (IINC Core)
- EDES 506 Using Technology in the Classroom *1 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*
- University Core *3-4 semester hours*
- Concentration Course *3-4 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- Concentration Course *3-4 semester hours*

Total: 17-19 semester hours

#### Senior Year

##### Fall Semester

- University Core *3-4 semester hours*
- EDES 508 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 522 Elementary Clinical Supervision *2 1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- Concentration Course(s) *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- EDES 5109 STEM Integrated Methodology and Elementary Curriculum 3 *semester hours*
- EDES 523 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 5110 Elementary Teaching Seminar 3 *semester hours*
- EDES 524 Elementary Clinical Supervision 4 *2 TO 5 semester hours*

Total: 9-12 semester hours

Note:

*Coursework completed during this semester must be coordinated such that it does not conflict with the student teaching assignment.*

This four-year plan serves only as a general model. Please meet with your advisor at least once a semester to discuss your progress in the program and plans for future semesters.

## **Modern Greek Studies**

### **Director**

Dr. Christina Bogdanou

### **Minor**

## **Modern Greek Studies Minor**

Objectives

The Modern Greek Studies minor offers an interdisciplinary program for students interested in studying Modern Greece--its language and culture, politics and history, Christian Orthodox tradition, literature and arts. LMU's Odyssey Study Abroad Program gives students the opportunity to study in Greece during the summer. The minor complements a wide range of academic fields and disciplines and is aimed at students interested in interdisciplinary international studies. It promotes intercultural awareness and understanding and provides the tools for students to become engaged global citizens.

Student Learning Outcomes

Students minoring in Modern Greek Studies will know:

- the principle aspects of Modern Greek language and culture
- the principle topics of Modern Greek politics and history
- the beliefs and practices of the Greek Orthodox Tradition in a theological, historical, and cultural context
- representative works of Modern Greek literary and artistic production as well as the theoretical tools for their understanding and critical analysis

Students minoring in Modern Greek Studies will be able to:

- understand and communicate effectively in Modern Greek
- make critical connections between past and present Greek history, politics, literature, and culture

- understand Modern Greece in a global context
- express themselves with clarity, coherence, and intellectual force orally and in writing

Students minoring in Modern Greek Studies will value:

- the distinctive contributions of Greek culture (past and present) to the world
- multilingualism, multiculturalism, and inter-religious dialogue
- connections across academic disciplines and their application to real-life issues
- global awareness and respect for others

### Minor Requirements

The minor in Modern Greek Studies consists of 20 semester hours, of which at least 12 hours must be at the 3000 and/or 4000 level. The following distribution is recommended, with the approval of the Director of the minor:

- 8 semester hours of lower division courses offered by the Modern Greek Studies Program (2 courses in Modern Greek language instruction at the appropriate level are recommended)
- 12 semester hours of upper division courses offered by the Modern Greek Studies program and/or affiliated departments (3 courses at the 3000 and/or 4000 level)

Students minoring in Modern Greek Studies may design their own individualized program in consultation with the Director of the Center and their advisor. Students are strongly encouraged to participate in the Odyssey Study Abroad Program in Greece for a full immersion experience.

Note:

Students with previous knowledge of the language or with course credit are requested to contact the program Director to schedule a placement exam.

## Modern Languages and Literatures

### Faculty

Chairperson: Véronique Flambard-Weisbart

Professors: Rebeca Acevedo, José Ignacio Badenes, S.J., Jennifer L. Eich, Véronique Flambard-Weisbart, Áine O'Healy, Alicia Partnoy

Associate Professors: Mónica Cabrera, Petra Liedke Konow, Marc Lony, Antonia Petro

Assistant Professor: Yu Li

### Objectives

The Department equips students with language proficiency as it introduces them to the multicultural nature and historical evolution of literary and other texts in the target languages. Offered courses provide opportunities to comprehend, interpret, and practice linguistic skills through oral and written exercises and assignments. Through a judicious selection of required courses and electives that include literature, history, and the arts, students acquire an increasing commitment to the mission of the University. The Department thrives to provide tools to foster transcultural understanding as the basis for mutual respect, global harmony and social justice.

## Major and Minor Requirements

Students can declare a major in French, Modern Languages, or Spanish, or a minor in Chinese, French, German, Italian, or Spanish, at entry to the University, through the Office of Admission. Students wishing to declare a major or minor in the Department of Modern Languages and Literatures after admission to LMU must meet with a professor from that particular program. A Change of Program Petition form will be signed by the chairperson, provided that the student has a minimum LMU GPA of 2.0 (C).

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from lower division courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, Italian, Japanese, or Spanish. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

Students who need more semester hours to complete the major or minor because of their language placement might have to take additional courses in the corresponding language, depending on the specific major or minor. A maximum of 40 upper division semester hours or no more than four upper division courses beyond the major requirements in any one department will be accepted toward graduation requirements.

In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., Asian and Pacific Studies, Chicano/a Latino/a Studies, Humanities, Liberal Studies), with pre-approval from the corresponding language or Modern Languages major coordinator and the Department Chair.

Students with significant course credit in a language from high school or college will not be allowed to enroll in the 2101 course of that language.

The Department offers lower division language courses (1000-2000 level) in Chinese and Japanese that satisfy the language requirements for the Asian and Pacific Studies major and minor.

## Language Placement Exam

The Bellarmine College of Liberal Arts requires that its incoming students take the language placement exam. Moreover, at LMU, many core and flag requirements can be satisfied with language courses. The Language Placement Exams allow you to better plan, and choose courses. Additionally, some majors have language requirements.

The knowledge of languages promotes cultural understanding, and increases job opportunities in a variety of fields, including education, law, medicine, business, and the government. Study abroad experiences, interdisciplinary research and community-based learning opportunities are enhanced by language learning.

LMU offers online placement exams for Chinese, French, German, Italian, Japanese, and Spanish. Placement exams measure student language skills in the target language so that (s)he may be placed in the appropriate college level course in the Department of Modern Languages and Literatures. The score is used for language placement advising purposes only.

## FAQ

*When do I need to take a language exam?*

1. If you have taken Chinese, French, German, Italian, Japanese, or Spanish language courses in any

educational setting (for example, at a high school or community school or at another university if you are a transfer student) AND you wish to continue taking classes in these languages during the first three semesters at LMU.

2. If you have taken AP language and/or literature courses in the above languages.
3. If you are interested in a minor or major in the above languages so that you can begin at the appropriate level of coursework immediately.
4. If you plan to take language or literature courses in a study abroad program in a country where Chinese, French, German, Italian, Japanese, or Spanish are the language of instruction: summer, semester, and year-long study abroad programs sometimes require previous language study.
5. If you are a heritage speaker who has learned the language at home and wishes to take language or literature courses in Chinese, French, German, Italian, Japanese, or Spanish.
6. If you have been admitted to the University Honors Program and need to know your standing as for the language requirement.

NOTE: If you have NEVER studied French, German, Italian or Japanese and wish to do so, you would sign up for the 2101 level course in that language. All students interested in taking a Chinese or Spanish course, including CHIN 2101 or SPAN 2101, must take the online placement exam. If you plan to study or travel abroad in the summer before entering LMU, please wait until you return to take the language placement exam.

*Where do I take the exam?*

You take the exam online. Log into MYLMU, click Brightspace > LMU New Student Placement Exams > Language Placement Exam, and follow the instructions. If you do not have access to the placement exam link or cannot access the placement exam for any reason, please contact the Modern Languages and Literatures department at 310.338.3051.

*How long does the exam take?*

The test takes approximately 20 minutes, however do not start the exam until you are ready as it must be taken in one continuous session, or your score will not post to PROWL.

*Do I always take the placement exam if I wish to study a language?*

If you do not speak or have not studied French, German, Italian, or Japanese and wish to do so, you simply sign up for the 2101 course in that language at LMU. All students interested in taking a Chinese or Spanish course, including CHIN 2101 or SPAN 2101, must take the online placement exam.

*Who benefits the most from taking the Placement Exam?*

Students who have studied or/and have learned at home Chinese, French, German, Italian, Japanese, or Spanish and those who have taken AP language and/or literature courses would benefit from it since they might be close to a minor or major in the language. Also, students who plan to study abroad, as some programs may require previous language study.

*Can I use books such as a dictionary? Should I guess at the answers?*

It is TO YOUR BENEFIT that you answer the questions honestly and without the support of notes, textbooks, parents, or friends to avoid being placed at a level above the appropriate one based on your experiences and academic studies.

*How do I get my score? Does my advisor get it?*

Your score and placement will be displayed at the end of the exam and will be accessible to your advisor through PROWL. However, as a backup, you are strongly encouraged to save a copy, or write it down, and email it to your advisor.

*What if I have problems taking the exam?*

Please contact the ITS helpdesk at 310.338.7777.

## **Foreign Literature in English Translation**

No knowledge of a language other than English is required.

### **Japanese**

The courses develop listening, speaking, reading, and writing skills using the direct method. Grammar points are explained in English. The student is provided an opportunity to practice conversation with native speakers to further improve oral skills. Selected topics are presented to enhance awareness and understanding of Japanese culture.

Students with significant course credit in Japanese from high school or college will not be allowed to enroll in JAPN 2101. Students with more advanced knowledge must take the online LMU Japanese Placement Exam. To know when and how a student should take a language placement exam in Japanese, please refer to the guidelines provided under Modern Languages and Literatures.

### **Bachelors**

#### **French, B.A.**

##### Objectives

The French curriculum is designed to enhance students' understanding of the French/Francophone world by exposing them to French/Francophone cultures and perspectives. It also responds to the increasing demand for a more practical emphasis in language learning after the lower division level and allows students to tackle the professional world immediately beyond graduation. LMU's Summer Study Abroad Program in Paris, France, may complement the French program.

##### French Student Learning Outcomes

Student Learning Outcomes will be assessed through a Senior Capstone Project (FREN 4990), which consists of a portfolio during the last semester of the senior year. The portfolio is a collection of multiple samples usually compiled over time accompanied by a personal reflection essay, which would show that the student has met the objectives of the French program.

##### Majors in French will know:

- The variety and nature of linguistic practices of French-speaking populations
- The variety and nature of cultural texts of French-speaking populations
- The variety and nature of cultural perspectives in the Francophone world at large
- The representative literary works and cultural texts of Francophone cultures and civilizations, and other diasporic French-speaking populations
- The principal aspects of cultural expressions such as literature, art, social practices, gender, and media of the Francophone world at large
- Theoretical terminology and concepts essential to analyze literary and cultural products.

##### Majors in French will be able to:

- Understand spoken French at the appropriate level
- Speak French at the appropriate level
- Read French at the appropriate level
- Write French at the appropriate level
- Use acquired theoretical and critical skills to textual analysis and scholarly research
- Demonstrate an informed knowledge of literary works developed by French-speaking populations
- Demonstrate an informed knowledge of cultural works developed by French-speaking populations
- Demonstrate an informed knowledge of linguistic varieties developed by French-speaking populations.

Majors in French will demonstrate an appreciation for:

- The evolution and variety of perspectives in French-speaking cultures
- The mission of our University
- Transcultural similarities and differences.

Major Requirements (25-37 semester hours)

Prerequisite

- FREN 2101 French 1 *4 semester hours*

Lower Division Requirements:

12 semester hours in lower division courses:

- FREN 2102 French 2 *4 semester hours*
- FREN 2103 French 3 *4 semester hours*
- FREN 2104 French 4 *4 semester hours*

Note:

These requirements may be waived or modified based upon proficiency demonstrated on the LMU French Placement Examination. For majors, a minimum grade of C (2.0) is required in all lower division French courses.

Upper Division Requirements:

25 semester hours in upper division courses:

- FREN 3240 History of Ideas *4 semester hours*
- FREN 3450 Stylistics and Translation *4 semester hours*
- FREN 3850 Writing Workshop in French *4 semester hours*
- Three (3) courses in the FREN 4000-level series *12 semester hours*
- FREN 4990 Senior Capstone Project *1 semester hours*

Note:

A minimum grade of C (2.0) must be maintained in all upper division French courses.

French Placement Exam

Any student who has knowledge of or has had prior instruction in French in high school or at a college or university other than LMU must take the French Placement Exam.

This requirement includes students who have taken the AP French Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP French Exam (Language or Literature) places in FREN 2103. Final placement is conditional upon the instructor's consent in consultation with the French coordinator. Course credit will be given for FREN 2101 and FREN 2102 once the student's official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in French, please refer to the guidelines provided under Modern Languages and Literatures.

French courses in lower division (FREN 2102, FREN 2103, FREN 2104) can be waived without credit if students placed in upper division courses in their placement exam. Waived no-credit classes do not have to be made up to complete the French major.

In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas, with pre-approval from the French coordinator and the Department Chair.

### Study Abroad

Students considering study abroad in France or a francophone country can attend the LMU Summer Study Abroad Program in Paris, France, or are advised to go for a semester either during their sophomore year (Spring semester) or junior year (Fall or Spring semester). Consult the Study Abroad Office or the French language professors for information about the LMU Summer Study Abroad Program in Paris, France, or the semester or year-long programs offered by universities that the French program endorses.

Prior to departure, students must obtain transfer credit approval for any French courses that they plan to take outside of LMU from the French coordinator and the Department Chair.

Although most lower-division French language courses (2000-level) will transfer to complete French major or minor pre-requisites, no more than one (1) French course will transfer for the upper-division (3000 or 4000- level) major or minor courses.

### French Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- FREN 2102 French 2 4 *semester hours*
- FFYS 1000 First Year Seminar 3 *OR* 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

### Spring Semester

- FREN 2103 French 3 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- FREN 2104 French 4 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- FREN 3240 History of Ideas 4 *semester hours* or
- FREN 3450 Stylistics and Translation 4 *semester hours* or
- FREN 3850 Writing Workshop in French 4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

### Junior Year

#### Fall Semester

- FREN 3240 History of Ideas 4 *semester hours* or
- FREN 3450 Stylistics and Translation 4 *semester hours* or
- FREN 3850 Writing Workshop in French 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

#### Spring Semester

- FREN 3240 History of Ideas 4 *semester hours* or
- FREN 3450 Stylistics and Translation 4 *semester hours* or
- FREN 3850 Writing Workshop in French 4 *semester hours*

- FREN 4000-level Elective *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- FREN 4000-level Elective *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- FREN 4990 Senior Capstone Project *1 semester hours*
- FREN 4000-level Elective *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-17 semester hours

## **Modern Languages, B.A.**

Objectives

The aim of the Modern Languages Major is twofold: to enable students to develop proficiency in the four language skills--aural, oral, speaking, and writing--in two modern languages (Concentration A and Concentration B), and to develop cultural literacy. Two of the following languages offered in the Department of Modern Languages and Literatures can be combined for the Modern Languages major: Chinese, French, German, Italian, and Spanish. Students start Concentration A at least in the third semester (CHIN 2103, FREN 2103, GRMN 2103, ITAL 2103, SPAN 2103) and Concentration B at least in the first semester (CHIN 2101, FREN 2101, GRMN 2101, ITAL 2101, SPAN 2101).

Through a structured and carefully planned group of course offerings and a strong recommendation to participate for a semester or a summer in study abroad programs, the Modern Languages Major will prepare students for a world in which intercultural understanding provides the basis for mutual respect, global harmony, and social justice.

The program will encourage and advise students to embark in study abroad experiences, research opportunities, extracurricular activities, and community-based learning opportunities that will prepare them to speak, understand, and write two foreign languages as well as linguistically analyze them, to know the principal aspects of some of the cultures where those languages are spoken, and to exercise intercultural awareness.

The major is highly desirable for those interested in international communications and access to immigrant

populations, in areas including but not limited to business, teaching, social work, theology, law, theatre, and the visual arts. Competence in more than one foreign language, a keen awareness of cultures, and an understanding of the structure of language itself is a compelling combination of skills that will prepare the student for employment in a globalized economy.

Modern Languages majors who have German in their choice of languages and a minimum GPA of 3.5 are eligible once per year for the Conrad Lester merit-based scholarship.

Students who need more semester hours to complete the Modern Languages major due to their initial language placement must take additional upper division elective courses in that language concentration. If no upper division elective courses in the language are offered by the Department of Modern Languages and Literature, students may fulfill up to four credits by taking a course offered outside the Department in the appropriate cultural studies area (e.g., ASPA, CLST, HMNT, LBST). Students must have pre-approval from the Modern Languages Program Coordinator and the Department Chair *prior* to taking a course.

### Modern Languages Student Learning Outcomes

Modern Languages majors will know:

- The principal aspects of two foreign languages and cultures
- The tools to analyze languages and cultures
- The principal aspects of two cultures and civilizations through the study of their cultural productions such as literature, art, social practices, and media.

Modern Languages majors will be able to:

- Speak, understand, and write two foreign languages as well as linguistically analyze them
- Read a variety of texts in two languages and discuss their content, technique, and cultural significance.

Modern Languages majors will be able to demonstrate that they value:

- Two distinct cultures and civilizations and their cultural productions
- Increasing intercultural awareness
- Multilingualism and the world it opens up for them.

### Major Requirements

Lower Division Requirements:

24 semester hours consisting of a selection of courses in two concentrations.

Students start Concentration A at least in the third semester (CHIN 2103, FREN 2103, GRMN 2103, ITAL 2103, SPAN 2103) and Concentration B at least in the first semester (CHIN 2101, FREN 2101, GRMN 2101, ITAL 2101, SPAN 2101).

Chinese:

- CHIN 2101 Chinese 1 *4 semester hours*
- CHIN 2102 Chinese 2 *4 semester hours*
- CHIN 2103 Chinese 3 *4 semester hours*
- CHIN 2104 Chinese 4 *4 semester hours*

French:

- FREN 2101 French 1 *4 semester hours*

- FREN 2102 French 2 *4 semester hours*
- FREN 2103 French 3 *4 semester hours*
- FREN 2104 French 4 *4 semester hours*

German:

- GRMN 2101 German 1 *4 semester hours*
- GRMN 2102 German 2 *4 semester hours*
- GRMN 2103 German 3 *4 semester hours*
- GRMN 2104 German 4 *4 semester hours*

Italian:

- ITAL 2101 Italian 1 *4 semester hours*
- ITAL 2102 Italian 2 *4 semester hours*
- ITAL 2103 Italian 3 *4 semester hours*
- ITAL 2104 Italian 4 *4 semester hours*

Spanish:

- SPAN 2101 Spanish 1 *4 semester hours*
- SPAN 2102 Spanish 2 *4 semester hours*
- SPAN 2103 Spanish 3 *4 semester hours* or
- SPAN 2113 Spanish 3 for Latino Students *4 semester hours*
- SPAN 2804 Stylistics and Composition *4 semester hours*

Upper Division Requirements:

33 semester hours in upper division courses:

Chinese:

- CHIN 3605 Chinese 5 *4 semester hours* required
- CHIN 3606 Chinese 6 *4 semester hours* required
- One (1) upper division CHIN elective *4 semester hours*

French:

- FREN 3240 History of Ideas *4 semester hours* required
- FREN 3450 Stylistics and Translation *4 semester hours* required
- FREN 3850 Writing Workshop in French *4 semester hours* required

German:

- GRMN 3105 Mastery of German *4 semester hours* required
- Two (2) upper division GRMN courses *8 semester hours*

Italian:

- Three (3) upper division ITAL courses *12 semester hours*

## Spanish:

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours* required
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours* required

Choose one (1) of the following upper division courses:

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*

8 semester hours

- MDLG 3400 Linguistics *4 semester hours* required
  
- MDLG 4400 Applied Linguistics *4 semester hours* or
- FNLT 4200 Comparative Cultures *4 semester hours*

1 semester hour

- MDLG 4990 Senior Capstone Project *1 semester hours*

## Modern Languages Model Four-Year Plan

The normal course load is 16 semester hours per semester (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- Concentration A 2103 *4 semester hours*
- Concentration B 2101 *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- Concentration A 2104 *4 semester hours* (or SPAN 2804 for SPAN)
- Concentration B 2102 *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

### Sophomore Year

#### Fall Semester

- Concentration A Upper Division *4 semester hours*
- Concentration B 2103 *4 semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 14-16 semester hours

#### Spring Semester

- Concentration A Upper Division *4 semester hours*
- Concentration B 2104 *4 semester hours* (or SPAN 2804 for SPAN)
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-16 semester hours

#### Junior Year

##### Fall Semester

- MDLG 3400 Linguistics *4 semester hours*
- Concentration A Upper Division *4 semester hours*
- Concentration B Upper Division *4 semester hours*
- University Core 3-4 *semester hours*

Total: 15-16 semester hours

##### Spring Semester

- Concentration B Upper Division *4 semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 13-16 semester hours

#### Senior Year

##### Fall Semester

- MDLG 4400 Applied Linguistics *4 semester hours* or
- FNLT 4200 Comparative Cultures *4 semester hours*
  
- Concentration B Upper Division *4 semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 14-16 semester hours

##### Spring Semester

- MDLG 4990 Senior Capstone Project *1 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-17 semester hours

## **Spanish, B.A.**

### Objectives

This major equips students with language proficiency in Spanish as it introduces them to the multicultural nature and historical evolution of literary and cultural expressions in the target language. It provides students with opportunities to comprehend, interpret, and practice advanced linguistic skills in Spanish through oral and written exercises and assignments. Survey and seminar classes familiarize them with representative literary works and cultural texts from Latin America, Spain, the U.S., and other diasporic Spanish-speaking populations. Our students become familiar with theoretical terminology and concepts essential to analyze these and other cultural products. The major also includes the study of Spanish phonology, morphology, syntax, and dialectal varieties. Students consistently participate in intercultural events and service-learning activities in academic and culturally significant contexts. They acquire an increasing commitment to the mission of the University.

### Spanish Student Learning Outcomes

Spanish majors will know:

- The variety and nature of linguistic practices of Spanish-speaking populations
- The variety and nature of cultural texts of Spanish-speaking populations
- The variety and nature of cultural perspectives of Spanish-speaking populations
- Representative literary works and cultural texts from Latin America, Spain, the U.S., and other Spanish-speaking populations
- Theoretical terminology and concepts essential to analyze literary and cultural texts.

Spanish majors will be able to:

- Understand spoken Spanish at the appropriate level
- Speak Spanish at the appropriate level
- Read Spanish at the appropriate level
- Write Spanish at the appropriate level
- Use acquired theoretical and critical skills to textual analyses and scholarly research
- Demonstrate an informed knowledge of literary works developed by Spanish-speaking populations
- Demonstrate an informed knowledge of cultural products developed by Spanish-speaking populations
- Demonstrate an informed knowledge of linguistic varieties developed by Spanish-speaking populations.

Spanish majors will also demonstrate an appreciation for:

- The evolution and variety of perspectives in Spanish-speaking cultures
- The mission of our University

- Transcultural similarities and differences.

Major Requirements (29-37 semester hours)

Prerequisite

- SPAN 2101 Spanish 1 *4 semester hours*

Lower Division Requirements:

12 semester hours in lower division courses:

- SPAN 2102 Spanish 2 *4 semester hours*
- SPAN 2103 Spanish 3 *4 semester hours* or
- SPAN 2113 Spanish 3 for Latino Students *4 semester hours*
- SPAN 2804 Stylistics and Composition *4 semester hours*

Note:

SPAN 2101, SPAN 2102, and SPAN 2103/2113 may be satisfied by placing above that level through the LMU Spanish Placement Exam. A minimum grade of C (2.0) is required in all lower division Spanish courses.

Upper Division Requirements:

25 semester hours in upper division courses:

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours*
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*

Choose two (2) of the following SPAN 3000-level courses:

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours*
- SPAN 3521 Survey of Latin American Literature *4 semester hours*
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*
- Two (2) courses in the SPAN 4000-level electives *8 semester hours*
- SPAN 4990 Senior Capstone Project *1 semester hours*

Note:

Students must complete all upper division Spanish courses with a minimum grade of C (2.0).

Senior Capstone Project: Portfolio Requirements:

Spanish majors are required to register for a one-credit course (SPAN 4990 Senior Capstone Project) during, or after, their last semester in the Spanish major program. Each graduating student constructs a portfolio that includes a collection of previous works, a brief description of extracurricular activities connected with the Spanish major, and a reflective essay in Spanish demonstrating how the goals of the program were met. These goals are language proficiency, cultural competency, mastery of literary and linguistic studies, development of a sense of social justice, and transcultural understanding. An oral presentation of the portfolio to a faculty panel is required.

Guidelines for the elaboration of the portfolio and the oral presentation are available from the Spanish coordinator in the Modern Languages and Literatures Department. This course is graded Credit/No Credit.

### LMU Spanish Placement Exam

All students interested in taking a Spanish course including SPAN 2101 must take the online Spanish placement exam.

This requirement includes students who have taken an AP Spanish Exam in high school. A student who receives a score of 5 or 4 on the AP Spanish Exam (Language and/or Literature) might place in SPAN 2103 Spanish 3 or SPAN 2113 Spanish 3 for Latino Students. Final placement is conditional upon the instructor's consent in consultation with the Spanish coordinator. The student's Degree Works will reflect credit for SPAN 2101 and SPAN 2102 after official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Spanish, please refer to the guidelines provided under Modern Languages and Literatures.

Spanish courses in lower division (SPAN 2101, SPAN 2102, SPAN 2103) can be waived without credit if students placed in SPAN 2804 in their placement exam. Waived no-credit classes do not have to be made up to complete the Spanish major. Credit earned from AP Language and/or Literature exams will be applied as general credits.

### Study Abroad

Students considering study abroad are advised to go for a semester either during their sophomore year (Spring semester) or junior year (Fall or Spring semester). Consult the Study Abroad Office or the Spanish language professors for information about semester, year-long, or summer study abroad programs offered by universities other than those that the Spanish program endorses.

Prior to departure, students must obtain transfer credit approval for any Spanish (SPAN) course(s) that they plan to take from the Spanish coordinator and the Department Chair.

No more than one (1) Spanish upper course will transfer for the major or minor. Be aware that most study abroad programs offer three (3) unit courses. If a course taken abroad is worth only 3 units, a student should take a second Spanish course to be able to transfer 4 units.

### Spanish Model Four-Year Plan

The normal course load is 16 semester hours per semester (4 classes). By following the model below, a student who places at the second semester level of Spanish (SPAN 2102) at the time of admission into our program will complete most major prerequisites and all lower division core requirements by the end of the sophomore year. Students with no previous knowledge of Spanish will be able to complete the program in four years if they are willing to take a Spanish course approved by our department, either abroad or at another institution during the summer. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- SPAN 2102 Spanish 2 4 semester hours

- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

#### Spring Semester

- SPAN 2103 Spanish 3 4 semester hours or
- SPAN 2113 Spanish 3 for Latino Students 4 semester hours
  
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- SPAN 2804 Stylistics and Composition 4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 Semester Hours

Total: 13-16 semester hours

##### Spring Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words 4 semester hours or
- SPAN 3510 Introduction to Hispanic Literatures 4 semester hours
  
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-16 semester hours

#### Junior Year

##### Fall Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words 4 semester hours or
- SPAN 3510 Introduction to Hispanic Literatures 4 semester hours
  
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*

- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Senior Year

##### Fall Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*

- SPAN 4000-level *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- SPAN 4990 Senior Capstone Project *1 semester hours*
- SPAN 4000-level *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-17 semester hours

#### Spanish Model Four-Year Plan--For Students Starting at an Advanced Level of Proficiency

The normal course load is 16 semester hours per semester (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the first semester freshman year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

#### Fall Semester

- SPAN 2804 Stylistics and Composition *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 Semester Hours*
- University Core *3-4 Semester Hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours* or
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 Semester Hours*
- University Core *3-4 Semester Hours*

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours* or
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Junior Year

##### Fall Semester

- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*

- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- SPAN 4000-level *4 semester hours*
- University Core *3-4 Semester Hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Senior Year

##### Fall Semester

- SPAN 4000-level *4 semester hours*
- University Core *3-4 Semester Hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- SPAN 4990 Senior Capstone Project *1 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-17 semester hours

#### Secondary Teacher Preparation Program in Spanish

The Secondary Teacher Preparation Program (STPP) in Spanish is designed for students who anticipate teaching Spanish in grades 6-8 or 9-12. Because of the rigorous standards set by the State of California for teacher credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning, however, it is possible to complete a Spanish major, the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for Spanish, and the School of Education credential requirements in four years.

#### Secondary Teacher Preparation Program in Spanish

Students must fulfill all requirements for a Spanish major and take two additional courses or their equivalents in Spanish:

- SPAN 4252 Hispanic Cultural Studies *4 semester hours*
- SPAN 4474 Spanish of the Americas *4 semester hours*

### Spanish Major Requirements

Please see four-year plan for Spanish major.

### School of Education Requirements

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 512 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*

### School of Education Credential Requirements (Non-Degree Requirements):

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by completing 5-8 semester hours of EDES 518 Secondary Teaching Seminar, which are applied toward both the semester hour requirement for the baccalaureate degree in Spanish and the requirements for the preliminary credential within the state of California. Student teaching is met through elective units taken as EDES 518 Secondary Teaching Seminar.

### Advising

Students should consult with the Director/Advisor for the Secondary Teacher Preparation Program in Spanish, Professor Alicia Partnoy at [apartnoy@lmu.edu](mailto:apartnoy@lmu.edu), to sign up for the program and to discuss their course of study, especially their Spanish courses.

### The Center for Undergraduate Teacher Preparation (CUTP)

The Center for Undergraduate Teacher Preparation (CUTP) is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact [cutp@lmu.edu](mailto:cutp@lmu.edu) for more information.

### School of Education Admission

Students interested in adding a preliminary credential in Spanish must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here (Undergraduate Teacher Preparation--Secondary Education).

### Four Year Plan for Secondary Teacher Preparation Program in Spanish

## Freshman Year

### Fall Semester

- SPAN 2103 Spanish 3 *4 semester hours* (or higher if student placed above this level)
- FFYS 1000 First Year Seminar 3 *OR 4 semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

### Spring Semester

- SPAN 2804 Stylistics and Composition 4 *semester hours*
- RHET 1000 Rhetorical Arts 3 *OR 4 semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

## Sophomore Year

### Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities 3 *semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments 3 *semester hours*
- SPAN 3510 Introduction to Hispanic Literatures 4 *semester hours*
- SPAN 3410 Spanish Linguistics 1: Sounds and Words 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 17-18 semester hours

### Spring Semester

- SPAN 3521 Survey of Latin American Literature 4 *semester hours* or
- SPAN 3541 Survey of Peninsular Spanish Literature 4 *semester hours* or
- SPAN 3431 Spanish Linguistics 2: Structure and Variation 4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

## Junior Year

### Fall Semester

- EDES 504 Assessment to Inform Instruction for Diverse Students 3 *semester hours*
- SPAN 3521 Survey of Latin American Literature 4 *semester hours* or

- SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours* or
- SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours*
  
- SPAN 4000 level *4 semester hours* or
- SPAN 4474 Spanish of the Americas *4 semester hours* or
- SPAN 4252 Hispanic Cultural Studies *4 semester hours*
  
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*

Total: 14 semester hours

Spring Semester

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
  
- SPAN 4000 level *4 semester hours* or
- SPAN 4474 Spanish of the Americas *4 semester hours* or
- SPAN 4252 Hispanic Cultural Studies *4 semester hours*
  
- Elective *3-4 semester hours*

Total: 10-11 semester hours

Senior Year

Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 512 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
  
- SPAN 4000 level *4 semester hours* or
- SPAN 4474 Spanish of the Americas *4 semester hours* or
- SPAN 4252 Hispanic Cultural Studies *4 semester hours*
  
- SPAN 4990 Senior Capstone Project *1 semester hours*
- Elective *3-4 semester hours*

Total: 14-15 semester hours

Spring Semester

- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 518 Secondary Teaching Seminar *3 semester hours*

Total: 6 semester hours

## Minor

### Chinese Minor

#### Objectives

The Chinese minor offers an integrated study of Chinese language and culture. Coupled with study abroad and research and internship opportunities, the program enables students to develop intermediate to advanced proficiency in Chinese language and culture.

#### Chinese Minor Learning Outcomes

Chinese minors will know:

- Principal aspects of the Chinese language
- Macro and micro societal environments and culture in contemporary China
- Tools to analyze the Chinese language, literary production, and social phenomena

Chinese minors will be able to:

- Speak Chinese appropriately and accurately
- Read texts in Chinese that are conceptually abstract and linguistically complex
- Write in Chinese on a variety of topics with precision and in detail
- Conduct cross-linguistic and cultural analyses between Chinese and their native language and culture

Chinese minors will be able to demonstrate that they value:

- Multilingualism and multiculturalism
- Cultural values that are distinctively different from their own
- Social behaviors and mindsets of Chinese people that are deeply rooted and reflected in Chinese language and culture.

#### Minor Requirements

The Chinese minor consists of 20 semester hours beyond CHIN 2102:

- CHIN 2103 Chinese 3 4 *semester hours*
- CHIN 2104 Chinese 4 4 *semester hours*
- CHIN 3605 Chinese 5 4 *semester hours*
- CHIN 3606 Chinese 6 4 *semester hours*
- One (1) CHIN 3000-4000 level elective 4 *semester hours*

Note:

The CHIN 2101, CHIN 2102, CHIN 2103, CHIN 2104 series is recommended for those who seek basic Chinese language and culture proficiency. This series requires one hour of study/drill session each week.

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from these courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, Italian, Japanese, or Spanish. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

Students who need more semester hours to complete the Chinese minor because of their language placement

must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to Chinese language concentration). Students can receive no more than four upper-division credits from Chinese language or cultural courses offered outside of the Department of Modern Languages and Literatures at LMU, non-LMU study-abroad programs, and other universities. In addition, for any non-Chinese (CHIN) courses to be applied towards the Chinese minor, students must receive preapproval from the Chinese program coordinator and Modern Languages and Literatures department chair.

### Chinese Placement Exam

All students interested in taking a Chinese course including CHIN 2101 must take the online Chinese placement exam.

This requirement includes students who have taken the AP Chinese Language and Culture Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP Chinese Language and Culture Exam places in CHIN 2103 or higher. Course credit will be given for CHIN 2101 and CHIN 2102 once a student's official scores have been received from the College Board. Final placement is conditional upon the instructor's consent in consultation with the Chinese coordinator. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Chinese, please refer to the guidelines provided under Modern Languages and Literatures.

## French Minor

For objectives and student learning outcomes, please see "French Major."

### Minor Requirements

The French minor consists of 20 semester hours taken beyond FREN 2103:

- FREN 2104 French 4 4 semester hours
- FREN 3240 History of Ideas 4 semester hours
- FREN 3450 Stylistics and Translation 4 semester hours
- FREN 3850 Writing Workshop in French 4 semester hours
- One (1) course in the 4000-level series (elective) 4 semester hours

Note:

The FREN 2101, FREN 2102, FREN 2103, and FREN 2104 series is recommended for those who seek basic proficiency in the language. This series requires attendance of a one hour weekly language lab.

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from these courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, Italian, Japanese, or Spanish. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

### French Placement Exam

Any student who has knowledge of or has had prior instruction in French in high school or at a college or university other than LMU must take the French Placement Exam.

This requirement includes students who have taken the AP French Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP French Exam (Language or Literature) places in FREN 2103. Final

placement is conditional upon the instructor's consent in consultation with the French coordinator. Course credit will be given for FREN 2101 and FREN 2102 once the student's official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in French, please refer to the guidelines provided under Modern Languages and Literatures.

To complete the French minor, students need to make up FREN 2104 with an additional course in upper division if they placed in upper division courses. In the event that there are no courses in the French language, students may take MDLG 3400, MDLG 4400, or FNLT courses, provided it is related to French language concentration, with pre-approval from the French program coordinator and the Department Chair.

### Study Abroad

Students considering study abroad in France or a francophone country can attend the LMU Summer Study Abroad Program in Paris, France, or are advised to go for a semester either during their sophomore year (Spring semester) or junior year (Fall or Spring semester). Consult the Study Abroad Office or the French language professors for information about the LMU Summer Study Abroad Program in Paris, France, or the semester or year-long programs offered by universities that the French program endorses.

Prior to departure, students must obtain transfer credit approval for any French courses that they plan to take outside of LMU.

Although most lower-division French language courses (2000-level) will transfer to complete French major or minor pre-requisites, no more than one (1) French course will transfer for the upper-division (3000 or 4000-level) major or minor courses.

## German Minor

### Objectives

During the phase of early language acquisition, German courses build students' language skills and intercultural awareness, while they consolidate language and cultural competence on the intermediate level. The upper-division Mastery of German course is geared toward perfecting the students' German in preparation for the internationally recognized proficiency tests that are offered at LMU each Spring semester. Literature courses range from a general survey of German literature over the centuries to the study of specific genres, such as drama, the novella, and the German fairy tale. In addition to literary studies, the German section also offers a course on German film and two courses on German culture and civilization that provide an overview of German history, society, politics, arts, and sciences. For students interested in the language of business, the German section offers one business-related course.

### German Student Learning Outcomes

Students minoring in German will know:

- The principal aspects of the German language
- The principal aspects of the history of German literature and film
- The principal aspects of the history and culture of German-speaking countries;

Students minoring in German will be able to:

- Speak, understand, read, and write German in meaningful contexts

- Use the latest relevant applications in educational technology
- Read literary texts in German and discuss their content, techniques, and social significance
- Prove their advanced proficiency through an internationally recognized proficiency test;

Students minoring in German will value:

- German language, literature, and culture
- Expressing independent critical opinions
- Increasing intercultural awareness.

German courses at LMU foster communication with an understanding of other people as essential aspects of the education of the whole person. Students thus embark on a road of lifelong learning that will take them into a richer future.

### Minor Requirements

The German minor consists of 20 semester hours beyond GRMN 2102:

- GRMN 2103 German 3 4 *semester hours*
- GRMN 2104 German 4 4 *semester hours*
- GRMN 3105 Mastery of German 4 *semester hours*
- Two (2) other GRMN 3000-4000 level courses 8 *semester hours*.

Within this minor a professional German emphasis is possible, with GRMN 3716 offered as an upper division course option for the business-oriented student.

The German GRMN 2101, GRMN 2102, GRMN 2103, and GRMN 2104 series is recommended for those who seek a basic speaking, writing, and reading knowledge of the language.

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from these courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, Italian, Japanese, or Spanish. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

Students of German are encouraged to take advantage of LMU's semester abroad in Bonn, Germany (business, arts and communication track), to improve their language skills. Lower division elementary, intermediate, and advanced German language courses are available in Bonn on a regular basis.

German minors with a minimum GPA of 3.5 are eligible once per year for the Conrad Lester merit-based scholarship.

Students who need more semester hours to complete the German minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas, with pre-approval from the German coordinator and the Department Chair.

### German Placement and Proficiency Testing

Any student who has knowledge of or has had prior instruction in German in high school, community heritage language school, or at a college or university other than LMU must take the German Placement Exam.

This requirement includes students who have taken the AP German Language and Culture Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP German Language and Culture Exam places in GRMN 2103 or higher. Course credit will be given for GRMN 2101 and GRMN 2102 once a student's official scores have been received from the College Board. Final placement is conditional upon the instructor's consent in consultation with the German coordinator. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in German, please refer to the guidelines provided under Modern Languages and Literatures.

Once per year, in the spring, the German section offers general proficiency tests in German (B1, B2, and C1) for its graduating minors. The tests are internationally recognized and certify the language skills of the student to prospective employers in the public and private sector.

## **Italian Minor**

### Objectives

The Italian minor introduces students to the rich, complex culture of Italy, first by providing them with basic linguistic skills in the Italian language, and subsequently by familiarizing them with important literary works produced in Italy over the centuries as well as with historically significant films.

### Italian Minor Learning Outcomes

Italian minors will know:

- The principal elements of Italian syntax and morphology
- Representative works of Italian literature, cinema, and other forms of cultural production
- Theoretical concepts essential for the analysis of these texts.

Italian minors will be able to:

- Communicate effectively in written and oral forms in Italian
- Understand spoken Italian
- Read modern Italian literature
- Apply acquired critical skills to textual analysis and scholarly research.

Italian minors will be encouraged to value:

- The distinctive contributions of Italian culture to world civilization
- The interconnectedness of all cultures in the global era
- The complex ways in which issues of social justice find expression in cultural production.

### Minor Requirements

The Italian minor consists of 20 semester hours taken beyond ITAL 2102:

- ITAL 2103 Italian 3 *4 semester hours*
- ITAL 2104 Italian 4 *4 semester hours*
- Three (3) upper division ITAL 3000-4000 level courses *12 semester hours*

Students who have not previously studied Italian and who wish to declare a minor in Italian are advised to begin their study of the language in their freshman year.

Note: The ITAL 2101, ITAL 2102, ITAL 2103 and ITAL 2104 series is recommended for those who seek a

basic speaking, writing, and reading knowledge of the language. This series requires one hour of independent study.

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from these courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, Italian, Japanese, or Spanish. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

### Italian Placement Exam

Any student who has knowledge of or has had prior instruction in Italian in high school, community heritage language school, or at a college or university other than LMU must take the Italian Placement Exam.

This requirement includes students who have taken the AP Italian Language and Culture Exam in high school. Generally, a student who receives a score of 5 or 4 on the AP Italian Language and Culture Exam might place in ITAL 2103 or higher. Course credit will be given for ITAL 2101 and ITAL 2102 once a student's official scores have been received from the College Board. Final Placement is conditional upon the instructor's consent in consultation with the Italian coordinator. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Italian, please refer to the guidelines provided under Modern Languages and Literatures.

Students who need more semester hours to complete the Italian minor because of their language placement must take additional courses in the language. In the event that there are no courses in the language, students may take MDLG 3400, MDLG 4400, or FNLT 4200 (provided it is related to language concentration). If additional classes are not available in the Modern Languages and Literatures Department, students may fulfill those credits with courses in the appropriate cultural studies areas (e.g., HMNT), with pre-approval from the Italian coordinator and the Department Chair.

## Spanish Minor

For objectives and student learning outcomes, please see "Spanish Major."

### Minor Requirements

The Spanish minor consists of 20 semester hours taken beyond SPAN 2103:

- SPAN 2804 Stylistics and Composition *4 semester hours*
- SPAN 3410 Spanish Linguistics 1: Sounds and Words *4 semester hours*
- SPAN 3510 Introduction to Hispanic Literatures *4 semester hours*

Choose one (1) of the following SPAN 3000-level courses:

- SPAN 3521 Survey of Latin American Literature *4 semester hours* or
  - SPAN 3431 Spanish Linguistics 2: Structure and Variation *4 semester hours* or
  - SPAN 3541 Survey of Peninsular Spanish Literature *4 semester hours*
- 
- One (1) upper division 4000-level SPAN elective *4 semester hours*

Note:

SPAN 2101, SPAN 2102, and SPAN 2103/2113 may be satisfied by placing above that level through the LMU Spanish Placement Exam. A minimum grade of C (2.0) is required in all lower division Spanish courses.

Lower division language courses (1000-2000 level) may not be challenged by exam. Students may be exempt from these courses by placing above that level through the LMU online Placement Exam for Chinese, French, German, Italian, Japanese, or Spanish. A minimum grade of C (2.0) is required in all lower division language courses to major or minor in those languages.

### LMU Spanish Placement Exam

All students interested in taking a Spanish course, including SPAN 2101, must take the LMU Spanish Placement Exam.

This requirement includes students who have taken an AP Spanish Exam in high school. A student who receives a score of 5 or 4 on the AP Spanish Exam (Language and/or Literature) might place in SPAN 2103 Spanish 3 or SPAN 2113 Spanish 3 for Latino Students. Final placement is conditional upon the instructor's consent in consultation with the Spanish coordinator. The student's Degree Works will reflect credit for SPAN 2101 and SPAN 2102 after official scores have been received from the College Board. It is the responsibility of each student to ensure that the official AP scores have been sent to Loyola Marymount University.

To know when and how a student should take a language placement exam in Spanish, please refer to the guidelines provided under Modern Languages and Literatures.

Spanish courses in lower division (SPAN 2101, SPAN 2102, SPAN 2103) can be waived without credit if students placed in SPAN 2804 in their placement exam. Waived no-credit classes do not have to be made up to complete the Spanish minor. Credit earned from AP Language and/or Literature exams will be applied as general credits.

### Study Abroad

Students considering study abroad are advised to go for a semester either during their sophomore year (Spring semester) or junior year (Fall or Spring semester). Consult the Study Abroad Office or the Spanish language professors for information about semester, year-long, or summer study abroad programs offered by universities other than those that the Spanish program endorses.

Prior to departure, students must obtain transfer credit approval for any Spanish (SPAN) course(s) that they plan to take from the Spanish coordinator and the Department Chair.

No more than one (1) Spanish upper course will transfer for the major or minor. Be aware that most study abroad programs offer three (3) unit courses. If a course taken abroad is worth only 3 units, a student should take a second Spanish course to be able to transfer 4 units.

## **Peace and Justice Studies**

### **Director**

Jennifer Ramos

### **Minor**

# Peace and Justice Studies Minor

## Director

Jennifer Ramos

## Objectives

The Peace and Justice Studies program seeks to embody the mission of the University, ever more important in light of the "just peace" movement that Pope Francis recently endorsed. As such, the Peace and Justice Studies minor seeks to ensure that students gain knowledge in three key areas of peace and justice as well as practically applying that knowledge through an engaged learning experience. Within the three main areas (Peace and Conflict; Social, Environmental, Economic, and Legal Justice; and Ethical Approaches), students may choose from a variety of courses that relate to their chosen fields of interest and emphasis, drawing from programs such as Political Science, History, Theological Studies, Philosophy, Economics, Sociology, and a number of other departments.

## Minor Requirements:

20 semester hours (5 courses, minimum 3 upper division courses) are required for the minor. All minors must take PJST 1000 Introduction to Peace and Justice Studies. In addition, students must take courses within three designated areas with at least one course in each area: 1. Peace and Conflict; 2. Social, Environmental, Economic and Legal Justice; and 3. Ethical Approaches. One of the 5 courses must include an engaged learning course, OR a student must do a peace and justice-related internship (see Director).

## Peace and Justice Studies Learning Outcomes

Peace and Justice Studies minors will:

1. Be knowledgeable of the historical contributions made by peacemakers in the past, and assess their contributions to continued thought in Peace and Justice Studies;
2. Be able to analyze complex systematic issues of injustice, conflict and oppression from multiple disciplinary perspectives;
3. Understand ethical issues of peace and justice; and
4. Possess a commitment to social justice and non-violence.

## Courses

- PJST 1000 Introduction to Peace and Justice Studies *4 semester hours*

Other courses may be approved at the discretion of the Director.

### I. Peace and Conflict

- AFAM 4642 Sex, Race, and Violence *4 semester hours*
- HIST 2300 Red, White, and Black: Race in Colonial America *4 semester hours*
- HIST 3600 Conflict and Genocide in Africa *4 semester hours*
- HIST 4273 Nazi Germany *4 semester hours*
- HIST 4432 American Reform Movements *4 semester hours*
- HIST 4540 The Palestine/Israel Conflict *4 semester hours*
- HIST 4620 South Africa *4 semester hours*
- JWST 4350 The History and Psychology of the Holocaust and Genocide: Perspectives on Power *4 semester hours*

- POLS 3410 Politics of Africa *4 semester hours*
- POLS 3440 Politics in the Middle East *4 semester hours*
- POLS 3620 International Security *4 semester hours*
- POLS 3630 Peace and Reconciliation *4 semester hours*
- POLS 3650 United States Foreign Policy *4 semester hours*
- CMST 3430 Culture, Crime, and Punishment *4 semester hours*

## II. Social, Environmental, Legal, and Economic Justice

- AFAM 1211 Introduction to African American Studies *4 semester hours*
- CATH 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation *4 semester hours*
- CATH 4998 Special Studies 1 TO *4 semester hours* (when taken as Pacifism and Peace Movements)
- EVST 3998 Special Studies 1 TO *4 semester hours* (when taken as Women and Environmental Justice)
- FTVS 3310 Film/Media and Social Justice *4 semester hours*
- JWST 4370 Nazi Germany and Questions of Conscience *4 semester hours*
- POLS 3230 Courts, Law, and Society *4 semester hours*
- POLS 3320 Social Movements *4 semester hours*
- POLS 3340 Urban Politics *4 semester hours*
- POLS 3350 Elderly and the Law *4 semester hours*
- POLS 5360 Gender and the Law *4 semester hours*
- POLS 5720 Comparative Human Rights *4 semester hours*
- PSYC 3019 African and Black Psychology *4 semester hours*
- PSYC 3998 Special Studies 1 TO *4 semester hours* (when taken as Liberation Psychologies)
- PSYC 4033 Community Psychology *4 semester hours*
- SOCL 3250 Health and Social Justice *4 semester hours*
- SOCL 3290 Social Inequalities *4 semester hours*
- SOCL 3341 Politics, Faith, and Civic Engagement *4 semester hours*
- SOCL 3390 Work and Economic Justice *4 semester hours*
- SOCL 4100 Criminal Justice *4 semester hours*
- SOCL 4103 Social Psychology and the Law *4 semester hours*
- THST 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation *4 semester hours*
- WGST 2000 Women in Global Communities *4 semester hours*
- WGST 3200 Gender, Race, and Environmental Justice *4 semester hours*

## III. Ethical Approaches

- CATH 3563 Love and Justice *4 semester hours*
- PHIL 3100 Ethics *4 semester hours*
- PHIL 3110 Environmental Ethics *4 semester hours*
- PHIL 3140 Ethics and Education *4 semester hours*
- PHIL 3150 Contemporary Moral Problems *4 semester hours*
- PHIL 3165 Philosophy of Law *4 semester hours*
- PHIL 3998 Special Studies 1 TO *4 semester hours* (when taken as Philosophy from the Periphery)
- POLS 3010 Classical and Christian Political Theory *4 semester hours*
- POLS 4030 Punishment and Mercy *4 semester hours*
- POLS 5710 International Affairs and Social Justice *4 semester hours*
- POLS 5730 Ethics and Peacebuilding *4 semester hours*

- THST 3260 Thinking Well, Doing Right 4 semester hours
- THST 3286 Religion and (Non) Violence 4 semester hours
- THST 3560 Punishment and Mercy 4 semester hours
- THST 3563 Love and Justice 4 semester hours
- THST 3564 Ethics and Justice in Dante's Inferno 4 semester hours
- THST 3998 Special Studies 1 TO 4 semester hours (when taken as Prisons and People)

## Philosophy

### Faculty

Chairperson: Martin Nemoianu

Professors: Jason S. Baehr, Christopher Kaczor, Eric D. Perl, Timothy Shanahan, Daniel Speak, Brad Elliott Stone, Brian Treanor, Robin Wang

Associate Professors: Marcela García Romero, Martin Nemoianu, Erin C. Stackle, Jeffrey Wilson

Assistant Professors: Joshua Mason, Catherine Peters, Carissa Phillips-Garrett, Scott J. Roniger

Professor Emeritus and Distinguished Professor: Mark D. Morelli

Professor Emeritus and Distinguished Scholar in Residence: Mary Beth Ingham, C.S.J.

Professor Emeritus: Elizabeth Murray

### Contact Information

**Department Chair:** Martin Nemoianu

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**Graduate Director:** Brad Elliot Stone

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**Websites:** [bellarmine.lmu.edu/philosophy/](http://bellarmine.lmu.edu/philosophy/)

[bellarmine.lmu.edu/philosophy/graduateprogram/](http://bellarmine.lmu.edu/philosophy/graduateprogram/)

**Office Location:** University Hall 3600

**Telephone:** 310.338.1937

**Fax:** 310.338.5997

**Senior Administrative Coordinator:** Alexis Dolan

**Email:** Alexis.Dolan@lmu.edu

### The Department

The Loyola Marymount University Department of Philosophy has a longstanding commitment to excellent teaching, careful advising, and productive scholarship, and is dedicated to providing a collegial and friendly environment conducive to ongoing intellectual development. We encourage both students and faculty to

engage in collaborative inquiry and discussion. While the Department as a whole values a strong foundation in the history of philosophy, it is pluralistic in its orientation. The Department is distinguished by its desire to familiarize students with the full range of philosophical traditions and issues: western and eastern, continental and analytic, historical and contemporary. The special interests of our faculty cover a broad range of systematic topics and historical periods, providing resources for a wide variety of specialized studies.

## **Bachelors**

### **Philosophy, B.A.**

#### Objectives

Philosophy is a reflective and critical discipline whose aim is to explore fundamental ideas which underlie and penetrate human existence and constitute the deep background of all human endeavors: ideas such as Meaning and Truth, Knowledge and Being, Objectivity and Bias, Good and Evil, Value and Disvalue. Philosophic inquiry into these and related notions is governed by the complementary ideals of analytic precision and comprehensive synthesis, and so it aims to raise these basic notions from their everyday obscurity, to articulate them with logical precision and rigor, and to bind them together into an overarching vision of the nature and purpose of human life.

Accordingly, the Department of Philosophy offers basic courses in Philosophical Inquiry, Faith and Reason, and Ethics and Justice, (among others) in the core curriculum and a wide variety of courses complementary to studies in a broad range of fields. For convenience, courses are grouped into nine content areas:

- I. Logic (PHIL X0XX)
- II. Morality, Law, and Politics (PHIL X1XX)
- III. Natural and Social Sciences (PHIL X2XX)
- IV. Arts and Literature (PHIL X3XX)
- V. Religion and Theology (PHIL X4XX)
- VI. History of Philosophy (PHIL X5XX)
- VII. Contemporary Movements (PHIL X6XX)
- VIII. Major Thinkers (PHIL X7XX)
- IX. Mind and Reality (PHIL X8XX)

#### Philosophy Student Learning Outcomes

Philosophy students will understand:

- The history of philosophy from the pre-Socratics to modern European thinkers
- Contemporary philosophical movements, issues, and techniques
- Central themes in the primary texts of important philosophers;

Philosophy students will be able to:

- Demonstrate written competency in the analysis of philosophical issues
- Apply the tools of logic in the analysis and critical evaluation of philosophical texts
- Synthesize philosophical insights in relation to their own lived experience;

Philosophy students will value:

- The contributions of philosophers to civilization

- An understanding of the relationship of philosophy to a variety of areas of human experience such as faith, morality, and culture
- Rigorous philosophical inquiry and reflection in relation to their own self-development, their interactions with others, and the quest for a better world.

### Major Requirements

At entry to the University, students may declare the major or minor through the Office of Admission. LMU students wishing thereafter to declare the major or minor must meet with the chair. The chair will ordinarily sign the student's Change of Program petition, provided the student meets certain academic standards that include having a minimum GPA of 2.0 (C) and not otherwise being on academic probation.

### University Core for the Major

Two courses meeting University Core requirements (one meeting the Philosophical Inquiry requirement and the other meeting the Ethics and Justice requirement) must normally be taken through the Department of Philosophy and will be counted toward the major.

### Logic

- PHIL 2010 Logic *4 semester hours*

### The History of Philosophy Sequence

- PHIL 3510 Ancient Philosophy *4 semester hours*
- PHIL 3520 Medieval Philosophy *4 semester hours*
- PHIL 3530 Modern Philosophy I *4 semester hours*
- PHIL 3540 Modern Philosophy II *4 semester hours*

### Note:

Students are encouraged to take the History of Philosophy sequence in chronological order.

### Three Philosophy Electives

At least two of these electives must be upper-division courses taken at LMU, in addition to the courses that satisfy the University Core Philosophical Inquiry and Ethics and Justice requirements. At least one of these electives must be a 4000-level seminar. At least one elective in the major must focus on Contemporary Philosophy.

### Senior Assessment

- PHIL 4990 Senior Assessment *0 semester hours*

### Note:

Students are strongly encouraged to study a foreign language to enhance their philosophical studies. Programs should be planned in consultation with their faculty advisor.

An average grade of C+ (2.3) must be maintained in Philosophy courses by majors.

Majors may take up to 13 upper division courses in Philosophy.

### Honors in Philosophy

To graduate with honors in Philosophy, a Philosophy major must complete two additional PHIL elective courses, at least one of which must be an upper division course. A minimum GPA in all Philosophy courses

of 3.7 is also required.

### Philosophy Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as a few PHIL major requirements. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- PHIL 1800 Philosophical Inquiry *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

#### Sophomore Year

##### Fall Semester

- PHIL 2010 Logic *4 semester hours*
- PHIL 3510 Ancient Philosophy *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- PHIL 3520 Medieval Philosophy *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Junior Year

## Fall Semester

- PHIL 3100 Ethics *4 semester hours*
- PHIL 3530 Modern Philosophy I *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Spring Semester

- PHIL 3540 Modern Philosophy II *4 semester hours*
- Upper or Lower Division PHIL *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- Upper Division PHIL *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- PHIL 4990 Senior Assessment *0 semester hours*
- Upper Division PHIL *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Masters**

## **Philosophy, M.A.**

### Mission Statement

The M.A. program at Loyola Marymount University is marked by three emphases: the history of Philosophy, including recent and contemporary continental philosophy; ethical studies; and philosophy informing and informed by the Catholic and Jesuit tradition. Our students are invited to acquire a solid grasp of the history of Philosophy, both Western and Eastern, and to pursue specialized studies of a range of philosophical issues

and figures. The program is designed for students who seek the comprehensive background and training required for admission to and success in a Ph.D. program in Philosophy, as well as for those who wish to complement their studies in related disciplines with the Master of Arts in Philosophy. A special feature of our M.A. Program is our commitment to imparting to students the skills associated with effective teaching as they broaden and deepen their philosophical understanding.

### Admission Requirements

1. The General Test of the Graduate Record Examination (GRE) (waived for some foreign applicants).
2. Demonstration of undergraduate competence in Philosophy, as evidenced by the completion of an undergraduate major or minor in Philosophy, or strong undergraduate preparation in a closely related field. The competency of students with non-traditional backgrounds will be determined in interviews with the Program Director.
3. An undergraduate GPA of 3.0.
4. An application, an application fee, and two letters of recommendation testifying to the student's aptitude for graduate studies in Philosophy, from professors familiar with the student's undergraduate work in Philosophy.
5. A personal statement, of no more than four typed pages, on why the applicant wishes to pursue philosophical studies at the graduate level. Applicants should indicate in their statements their intention to pursue either a terminal M.A. or to seek admission to a Ph.D. program after earning the M.A.
6. A writing sample of approximately 10 typed pages, preferably of philosophical writing.
7. The deadline for the receipt of all materials is March 15 for the Fall semester and November 1 for the Spring semester.

### Financial Assistance

Every student admitted into the program is considered for tuition assistance. The amounts of the grants vary and are awarded on the basis of both merit and need. One Research Assistantship is awarded each year. Teaching Fellowships may be awarded to students who participate in the Teacher Orientation Program (TOP). Students may also apply for a number of on-campus jobs reserved for graduate students. Rains Research Assistantships (60 hours per semester, 120 hours per year) may be obtained by arrangement with individual professors.

### Degree Requirements

The two-year program requires 30 credit hours of course work (10 6000-level courses), successful completion of a reading proficiency examination in French, German, Latin, or Greek, and successful completion of an oral examination. Students are expected to take six courses in their first year, and four in their second. Students may complete their credit requirement with their own choice of graduate courses. A portion of the course requirement may be fulfilled by graduate course work in the Departments of English or Theological Studies, or in the Bioethics Institute, with the approval of the Program Director. Students must maintain a 3.0 GPA to remain in good standing.

### Teacher Orientation and Practicum (TOP)

Students may elect to participate in the TOP Program. Students who wish to be considered for a Teaching Fellowship must participate in the TOP Program. The aim of TOP is to introduce students to the practical and pedagogical tasks involved in teaching at the undergraduate level, and to provide basic instruction in the effective performance of those tasks. TOP is administered by members of the Department of Philosophy. It

includes both instructional sessions and practical applications. The instructional sessions provide guidelines for the preparation of course descriptions and syllabi, assignments and examinations, and for the grading of assignments and examinations. In addition, they offer guidelines for the preparation and delivery of lectures and the conduct of classroom discussions. The practical applications include: interviews with faculty members about their approaches to teaching and their methods, their successes and their failures; preparation of sample course descriptions and syllabi; preparation and delivery of a lecture, with optional videotaping, and a final review of the student's performance. Students participate in TOP in the second and third semesters of the M.A. Program and receive a Certificate of Participation upon completion of the program.

### Oral Examination

The Oral Examination is a one-hour oral, conducted by three faculty members. Its aim is to probe and evaluate a student's ability to articulate and defend his/her developing epistemological, metaphysical, and ethical positions.

### Language Requirement

Before completion of the program students must demonstrate reading proficiency in French, German, Latin, or Greek. Language examinations are offered every semester and may be retaken.

### Learning Outcomes of the M.A. Program in Philosophy

Upon successful completion of the M.A. Program in Philosophy, the student

- will be familiar with the major figures, movements, positions, and issues characterizing the ancient, medieval, modern, late modern, and contemporary periods in the history of Western Philosophy;
- will be able to make intelligent and critical use of the resources and tools required for thorough philosophical research and writing;
- will be able to interpret philosophical texts intelligently, critically, and charitably;
- will be able to analyze and evaluate philosophical arguments;
- will be capable of clear, coherent, and rigorous argumentation and expression in their own philosophical writing;
- will be able to communicate their interpretations of philosophical texts and their own critical views confidently in both informal and professional settings;
- will be able to engage in fruitful philosophical dialogue and discussion;
- will be able to formulate precisely and communicate clearly their own developing positions on the basic epistemological, metaphysical, and ethical questions;
- will have a clearer understanding and firmer grasp of the philosophical questions with which they themselves are most deeply concerned;
- will be familiar with the range of responsibilities associated with the professional side of the philosophical life.

## Minor

### Philosophy Minor

#### Minor Requirements

20 semester hours in Philosophy, of which at least 12 are in upper division courses. Courses taught through the Philosophy Department meeting core requirements (for example, PHIL 1800, PHIL 3100) may be

counted towards the minor. An average of C (2.0) must be attained in courses in the minor.

## **Political Science and International Relations**

### **Faculty**

Chairperson: Gene Park

Professors: Jodi Finkel, Richard Fox, Michael A. Genovese, Evan Gerstmann, Fernando J. Guerra, Gene Park, John M. Parrish

Associate Professors: Lance H. Blakesley, Feryal Cherif, Andrew Dilts, Kerstin Fisk, Jennifer Ramos, Janie S. Steckenrider

Assistant Professors: Chaya Crowder, Gabriele Magni, Claudia Sandoval

### **Objectives**

The Department challenges and encourages students to:

- Be perceptive observers of political life in all its variety and richness;
- Seek a systematic understanding of the causes and consequences of political institutions, policies, and behavior;
- Develop a moral and ethical perspective that allows them to critically evaluate actions, institutions, and policies; and
- Prepare themselves for a life of active citizenship and involvement in creating a more just and humane world.

The Department challenges and encourages its faculty to:

- Master the art of teaching;
- Contribute to their profession as active scholars and researchers; and
- Promote an atmosphere of care and concern for each student inside and outside the classroom.

Both faculty and students share a responsibility for creating a lively and diverse community of scholars marked by civility, mutual respect, and support.

The Department offers degree programs in two fields of study: **International Relations** and **Political Science**.

### **Bachelors**

#### **International Relations, B.A.**

International Relations Student Learning Outcomes

The Political Science Department strives to help all majors:

1. Demonstrate a broad and deep understanding of international relations.
2. Possess the skills necessary to think critically and communicate effectively about international relations.
3. Value active citizenship and a just society.

4. Have proficiency in a second language.

## Major Requirements

In addition to the major requirements below, **all majors must one international core curriculum course**, HIST 1XXX except 13XX and 14XX (lower-level non-U.S. History course; Core: Explorations: Historical Analysis and Perspectives) [see Note 1];). Majors who are also University Honors students must take one core curriculum course, ECON 1050 Introductory Economics, and choose an international History upper division elective (HIST 3XXX and 4XXX except 33XX, 34XX, 43XX and 44XX).

Students may not double-major in International Relations and Political Science. However, students may choose to major in International Relations, while minoring in Political Science (or vice versa). In this case, students may only double-count one of the lower division courses and none of the upper division courses towards the minor.

Students seeking to double-major in International Relations and another department/program may do so. Up to one course may double-count at the discretion of both program directors/chairs.

### A. Lower Division Requirements: 4 courses (16 semester hours)

1. Students must take POLS 1400 and POLS 1600.
2. Students must take POLS 2100.
3. Students must take ECON 1050.

### B. Upper Division Requirements: 6 courses (24 semester hours)

1. Students must take POLS 3620 and POLS 4650.
2. Students take at least one POLS International Relations or Comparative Politics 5000-level seminar OR POLS 5800 and POLS 5810 (Honors Seminar and Thesis, 2 semesters). [see Note 2]
3. Students must take 3 upper-division electives (courses with international focus from POLS, ECON, SOCL or HIST [see Note 3], or advanced methods course [see Note 4]). For University Honors students, one of these must be HIST.
4. All students who will have completed 100 hours or more by Spring semester are required to enroll in POLS 5700. This is a zero-semester-hour course, required for graduation, which includes an assessment of program learning outcomes, a senior exit interview, and possible additional program evaluation.

### C. Additional Requirements

1. An average grade of C (2.0) must be obtained in courses included in the major.
2. Lower Division requirements must be met before pursuing upper division requirements.
3. Students must take 2 semesters of a second language or demonstrate proficiency [see Note 5].
4. Students must engage in an international experience through either:
  - a. An internship with an international focus (120 hours) [see Note 6]; OR
  - b. Study Abroad (Semester or Summer) [see Note 7]. It is expected and strongly encouraged that most students will choose the Study Abroad option.

Total: 40 semester hours

## Notes

Note 1:

The qualifying HIST 1000-level courses would include: HIST 1110 Founders of the West, HIST 1120 Heirs of Rome: Europe, Byzantium, and Islam in the Early Middle Ages, HIST 1130 Crisis and Expansion: Europe and the World, 1200-1648, HIST 1200 European Empires, Exploration, and Exchange since 1500, HIST 1201 Power, Privilege, and Agency in Modern Europe, HIST 1202 The Individual, the State, and Civil Society in Modern Europe, HIST 1203 Religion, Society, and the Search for Meaning in Modern Europe, HIST 1204 Revolutions in the Making of Modern Europe, HIST 1510 Minorities and Women in the Modern Middle East, HIST 1520 The Social Lives of Commodities in the Modern Middle East, HIST 1700 Early Latin America, HIST 1750 Modern Latin America, HIST 1800 Modern Asia: China, Japan, and Korea since 1600, HIST 1600 African States and Societies since 1800.

Note 2:

Students must write an internationally-focused thesis.

Note 3:

In Political Science: Any upper division comparative politics or international relations course (taught by Drs. Cherif, Finkel, Fisk, Park, and Ramos.) Other POLS courses with significant global perspectives or international politics course content may count towards the major at the discretion of the faculty director, and in consultation with the professor.

In Economics: ECON 3700 International Trade (prerequisite is ECON 1050); ECON 3720 International Finance Theory (prerequisite is ECON 1050); ECON 4740 Economic Development (prerequisite is ECON 3100).

In History: HIST 3XXX and 4XXX except 33XX, 34XX, 43XX and 44XX; these include HIST 3600 Conflict and Genocide in Africa, HIST 3702 Women, Gender, and Sexuality in Latin America, HIST 3704 Latin American Revolutions in Film, HIST 4010 Pirates and Piracy, HIST 4200 Early Modern Europe, HIST 4205 Europe in the Long Nineteenth Century, HIST 4206 20th-Century Europe, HIST 4215 European Imperialism, HIST 4225 Gender in European History, HIST 4250 Modern Britain and the British Empire, HIST 4272 20th-Century Eastern Europe, HIST 4281 Modern Russia, 1825-1991, HIST 4282 Ethnicity and Empire in Russia, HIST 4402 Politics and Culture of the Cold War, 1917-1989, HIST 4510 Star, Cross, and Crescent, HIST 4520 The Ottoman Empire, HIST 4540 The Palestine/Israel Conflict, HIST 4640 Colonial Africa, 1860-1980, HIST 4820 Modern China, HIST 4830 Women in East Asian History.

In Sociology: SOCL 3310 Demography and Population Analysis, SOCL 3370 Sociology of Globalization, SOCL 3371 Gender and Global Migration, SOCL 3372 Sociology of U.S. Immigration, SOCL 3998 - Blacks in Latin America. Any other non-POLS courses must be approved by the faculty director prior to course enrollment.

Note 4:

Students interested in graduate studies are strongly encouraged to take an advanced methods course.

Note 5:

Language proficiency will be assessed via the Modern Languages' online placement tests. In the event the test is not offered, the student must go to a language department in a university that does offer that language and have an instructor there assess proficiency and provide a letter as evidence. Although Level 2 proficiency is the required minimum for the major, we strongly encourage students to continue to more advanced levels.

Note 6:

This could include an international internship or the Washington Center. All internships must be pre-approved.

Note 7:

The Study Abroad experience must be an LMU or LMU-approved semester or summer program. The summer program must be at least 6 semester hours. Ideally, this requirement should enhance a student's language skills and cultural awareness that she is focused on in courses at LMU. A maximum of two courses from study abroad may count towards the major, in consultation with the faculty director.

### Honors in International Relations

Students who attain a GPA of 3.60 or higher, both overall and in the major, are automatically eligible to enroll in the POLS 5800 Honors Seminar in the Fall of their senior year and write a POLS 5810 Honors Thesis in the Spring of their senior year. Other students may be invited to pursue Honors by the faculty. The Honors Seminar is a prerequisite for the Honors thesis. Students who attain a grade of A- or higher for the Honors Thesis will graduate with Honors in International Relations. Both the Honors Seminar and Honors Thesis count toward the 24 semester hours of upper division coursework required of majors.

### International Relations Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student interested in completing the major will complete all lower division core requirements by the end of the sophomore year, as well as all major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- POLS 1600 International Relations 4 semester hours
- Foreign Language 1 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

##### Spring Semester

- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- POLS 1400 Comparative Politics 4 semester hours
- Foreign Language 2 4 semester hours
- Elective 3-4 semester hours

Total: 15-16 semester hours

#### Sophomore Year

##### Fall Semester

- POLS 2100 Empirical Approaches 4 semester hours
- HIST 1XXX (except HIST 13XX and 14XX) 4 semester hours

- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours

Spring Semester

- ECON 1050 Introductory Economics 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours

Junior Year

Fall Semester [Study Abroad]

- Elective 3 semester hours
- Elective 3 semester hours
- Elective 3 semester hours
- Upper-Division Elective 3 semester hours
- Upper-Division Elective 3 semester hours

Total: 15 semester hours

Spring Semester

- POLS 3620 International Security 4 semester hours
- POLS 4650 The Politics of the Global Economy 4 semester hours
- Upper Division International Elective 4 semester hours
- University Core 3-4 semester hours

Total: 15-16 semester hours

Senior Year

Fall Semester

- Upper Division International Elective 4 semester hours
- Upper Division International Elective 4 semester hours
- Upper Division Elective 4 semester hours
- Upper Division Elective 4 semester hours

Total: 16 semester hours

Spring Semester

- POLS 5700 International Relations Senior Assessment 0 semester hours
- POLS 5XXX International Relations or Comparative Politics Seminar 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 4 semester hours

- Upper Division Elective *4 semester hours*

Total: 15-16 semester hours

## **Political Science, B.A.**

Political Science Student Learning Outcomes

The Political Science Department strives to help all majors:

1. Demonstrate a broad and deep understanding of politics and political science.
2. Possess the skills necessary to think critically and communicate effectively about politics.
3. Exhibit a commitment to active citizenship and a just society.

### Major Requirements

Political Science majors are required to take one social science course from outside the major. The course may be a lower or upper level course in Economics, Geography, Psychology, Sociology, Urban Studies, or any course that satisfies the Understanding Human Behavior requirement of the University Core.

Students may not double-major in Political Science and International Relations. However, students may choose to major in Political Science, while minoring in International Relations (or vice versa). In this case, students may only double-count one of the lower division courses and none of the upper division courses towards the minor.

Students seeking to double-major in Political Science and another department/program may do so. Up to one course may double-count at the discretion of both program directors/chairs.

#### A. Lower Division Requirements: 4 courses (16 semester hours)

1. Students must take two of the following three courses: POLS 1200, POLS 1400, and POLS 1600.
2. Students must take POLS 2000 and POLS 2100.
3. An average grade of C (2.0) must be obtained in these courses with a minimum grade of a C- in every course.

#### B. Upper Division Requirements: 6 courses (24 semester hours)

1. Students take at least one 5000-level seminar.
2. An average grade of C (2.0) must be obtained in courses included in the major with a minimum grade of a C- in every course.

#### C. Additional Requirements

1. Students must take at least four 4-semester-hour courses to complete the major.

Total: 40 semester hours

### Honors in Political Science

Students who attain a GPA of 3.60 or higher, both overall and in the major, are automatically eligible to enroll in the POLS 5800 Honors Seminar in the Fall of their senior year and write a POLS 5810 Honors Thesis in the Spring of their senior year. Other students may be invited to pursue Honors by the faculty. The Honors Seminar is a prerequisite for the Honors Thesis. Students who attain a grade of A- or higher for the Honors Thesis will graduate with Honors in Political Science. Both the Honors Seminar and Honors Thesis count toward the 24 semester hours of upper division course work required of majors.

## Political Science Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student interested in completing the major will complete all lower division core requirements by the end of the sophomore year, as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

### Freshman Year

#### Fall Semester

- POLS 1200 U.S. Politics *4 semester hours* or
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
  
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- POLS 1200 U.S. Politics *4 semester hours* or
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
  
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Sophomore Year

#### Fall Semester

- POLS 2000 Foundations of Political Theory *4 semester hours* or
- POLS 2100 Empirical Approaches *4 semester hours*
  
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- POLS 2000 Foundations of Political Theory *4 semester hours* or
- POLS 2100 Empirical Approaches *4 semester hours*

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Junior Year

Fall Semester

- POLS Upper Division *4 semester hours*
- POLS Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- POLS Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Senior Year

Fall Semester

- POLS Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- POLS Upper Division *4 semester hours*
- POLS 5000-level *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

Note:

Once a student has enrolled at LMU and declared a Political Science major or minor, only LMU course work or courses from an LMU-approved study abroad program will be accepted for the major or minor.

## Minor

### International Relations Minor

Minor Requirements

#### 20 semester hours

Students may minor in *both* International Relations and Political Science. Students who do so may only double-count one of the lower division courses and none of the upper division courses towards the major.

A. Lower Division Requirements: 2 courses (8 semester hours)

1. Students must take POLS 1400 and POLS 1600.

B. Upper Division Requirements: 3 courses (12 semester hours)

1. 1 POLS Elective in International Relations or Comparative Politics.
2. 2 Electives (courses with an international focus from POLS, ECON, SOCL, HIST, or EVST, or advanced methods course; see approved courses).

C. Additional Requirements

1. An average grade of C (2.0) must be obtained in courses included in the minor with a minimum grade of C- in every course.
2. Lower Division requirements must be met before pursuing upper division requirements.
3. Students must take 2 semesters of a second language or demonstrate proficiency [see Note 3], OR engage in an international experience through either:
  - a. an Internship with an international focus (120 hours) [see Note 4]; OR
  - b. Study Abroad (Semester or Summer) [see Note 5].

Notes

Note 1:

In Politics: any upper division comparative politics or international relations course (taught by Drs. Cherif, Finkel, Fisk, Park, and Ramos). Other POLS courses with significant global perspectives or international politics course content may count towards the minor at the discretion of the faculty director, and in consultation with the professor.

In Economics: ECON 3700 International Trade (prerequisite is ECON 1050), ECON 3720 International Finance Theory (prerequisite is ECON 1050), ECON 4740 Economic Development (prerequisite is ECON 3100).

In History: HIST 3XXX and 4XXX except 33XX, 34XX, 43XX and 44XX; these include HIST 3600 Conflict and Genocide in Africa, HIST 3702 Women, Gender, and Sexuality in Latin America, HIST 3704 Latin American Revolutions in Film, HIST 4010 Pirates and Piracy, HIST 4200 Early Modern Europe, HIST 4205 Europe in the Long Nineteenth Century, HIST 4206 20th-Century Europe, HIST 4215 European Imperialism, HIST 4225 Gender in European History, HIST 4250 Modern Britain and the British Empire, HIST 4272 20th-Century Eastern Europe, HIST 4281 Modern Russia, 1825-1991, HIST 4282 Ethnicity and Empire in Russia, HIST 4402 Politics and Culture of the Cold War, 1917-1989, HIST 4510 Star, Cross, and Crescent, HIST 4520 The Ottoman Empire, HIST 4540 The Palestine/Israel Conflict, HIST

4640 Colonial Africa, 1860-1980, HIST 4820 Modern China, HIST 4830 Women in East Asian History.

In Sociology: SOCL 3310 Demography and Population Analysis, SOCL 3370 Sociology of Globalization, SOCL 3371 Gender and Global Migration, SOCL 3372 Sociology of U.S. Immigration, SOCL 3998 - Blacks in Latin America. Any other non-POLS courses must be approved by the faculty director prior to course enrollment.

Any other non-POLS courses must be approved by the faculty director prior to course enrollment.

Note 2:

Students interested in graduate studies are strongly encouraged to take an advanced methods course.

Note 3:

Language proficiency will be assessed via the Modern Languages' online placement tests. In the event the test is not offered, the student must go to a language department in a university that does offer that language and have an instructor there assess proficiency and provide a letter as evidence. Although Level 2 proficiency is the required minimum for the minor, we strongly encourage students to continue to more advanced levels.

Note 4:

This could include an international internship or the Washington Center. All internships must be pre-approved.

Note 5:

The Study Abroad experience must be an LMU or LMU-approved semester or summer program. The summer program must be at least 6 semester hours. Ideally, this requirement should enhance a student's language skills and cultural awareness that he or she is focused on in courses at LMU. Only one course from study abroad may count towards the minor, in consultation with the faculty director.

## **Political Science Minor**

Minor Requirements

### ***20 semester hours***

Students may minor in *both* International Relations and Political Science. Students who do so may only double-count one of the lower division courses and none of the upper division courses towards the major.

A. Lower Division Requirements: 2 courses (8 semester hours)

1. Students must take two of the following lower division courses:

- POLS 1200 U.S. Politics *4 semester hours*
- POLS 1400 Comparative Politics *4 semester hours*
- POLS 1600 International Relations *4 semester hours*
- POLS 2000 Foundations of Political Theory *4 semester hours*
- POLS 2100 Empirical Approaches *4 semester hours*

B. Upper Division Requirements: 12 semester hours

1. At least two 4 semester hour courses must be taken to complete the minor. The remaining four semester hours may be completed by taking any of the offered upper division courses.
2. An average grade of C (2.0) must be obtained in the courses included in the minor with a minimum

grade of C- in every course.

Note:

Specific programs should be planned individually with the advice of a faculty advisor.

## **Psychology**

### **Faculty**

Chairperson: David J. Hardy

Associate Chair: Máire B. Ford

Professors: Jennifer S. Abe, Adam W. Fingerhut, Judith G. Foy, Michael R. Foy, Richard L. Gilbert, Cheryl N. Grills, David J. Hardy, Joseph B. Hellige, Joseph W. LaBrie, Ricardo A. Machón, Nora A. Murphy, Vandana Thadani

Associate Professors: Máire B. Ford, Michael E. Mills, Kayoko Okada

Assistant Professors: Negin Ghavami, Brett Marroquín, Diana E. Santacrose, Alexandra Sturm

### **Mission**

The Psychology program shares the University's commitment to develop ethical leaders for a culturally diverse world and contributes to the liberal education of students. Through a comprehensive education in the science of psychology, the Psychology Department seeks to educate the whole person, pursue academic excellence, advance scholarship, promote service and justice, and encourage life-long learning.

### **Description**

The Psychology Department offers a high quality curriculum where students examine the science of human and animal behavior, including biological, psychological, and sociocultural perspectives. Students are provided the opportunity to apply these perspectives to a variety of individual, family, and community contexts. As students progress through the curriculum, they have opportunities to assist faculty with research and engage in their own research with faculty supervision. The program prepares students for graduate study in psychology and related fields or careers in other professions.

### **Bachelors**

#### **Psychology, B.A.**

Goals and Objectives

The goals of the Psychology curriculum focus on educating students in the methodology, content, and application of psychological science.

##### **Goal 1: Theory and Methodology in Psychology**

Students should:

- Understand the role of psychology as a discipline that uses an empirical approach to knowledge; and
- Use, respect, and value skeptical inquiry, critical thinking, and the scientific approach to

understanding behavior.

Knowledge areas students will study/learn:

- Basic research methods and ethics
- History and systems and philosophy of science
- Data analysis and interpretation
- Scientific and critical thinking
- Scientific writing and communication.

## **Goal 2: Mastery of Content (Discipline Specific Knowledge)**

Students should be familiar with:

- Core theoretical approaches and research findings that reflect a biopsychosocial understanding of behavior.

Core knowledge areas students will study/learn:

- Biological foundations of behavior
- Psychological foundations of behavior
- Social and cultural foundations of behavior.

## **Goal 3: Application of Knowledge and Scientific Method**

Students should demonstrate the application of psychological theory, methodology, and findings to:

- An understanding of the whole person, as an individual and as a member of a larger community, society, and culture; and
- The promotion of social justice in these contexts.

## **Psychology Student Learning Outcomes**

Upon completion of the Psychology curriculum, students will demonstrate knowledge of the history, foundations, content, and analytical skills of psychology in their ability to:

1. Demonstrate knowledge of the history, foundations, content, and methods used in Psychology, specifically in the following areas:
  - a. Cognitive Neuroscience
  - b. Biological Psychology (including Brain and Behavior, Neuropsychology, Sensation and Perception, Comparative, and Ethological Psychology)
  - c. Clinical, Abnormal, and Personality Psychology
  - d. Developmental and Social Psychology
2. Demonstrate an increased appreciation and understanding of the importance of a scientific approach to understanding human behavior
3. Demonstrate an ability to analyze and critically evaluate the biopsychosocial components of behavior
4. Demonstrate an ability to apply critical thinking in order to
  - a. Understand psychological principles
  - b. Evaluate scientific research, including research presented in the media
5. Demonstrate written communication skills on psychological topics
6. Demonstrate oral communication skills on psychological topics
7. Demonstrate an ability to apply psychological principles, including the consideration of ethics and social justice, to contemporary problems/issues

8. Demonstrate an ability to identify ethical issues and apply ethical principles to research in the following situations:
  - a. When conducting research
  - b. When evaluating research
9. Demonstrate competency in the following aspects of research methods:
  - a. Locate and understand past research
  - b. Formulate a hypothesis based on past research
  - c. Design research to test a hypothesis
  - d. Use statistical software to analyze research data
  - e. Write complete manuscripts in APA style

### Major Requirements

LMU students who wish to switch into the major (from undeclared status or other majors at LMU) must have completed PSYC 1000 General Psychology (with a minimum grade of C) and must have a cumulative GPA of 3.0. Students are strongly encouraged to declare a psychology major by the end of the first semester of sophomore year. Declaring a major after this time may delay the completion of their degree requirements beyond the typical four-year period.

External transfer students to LMU who have not received transfer credit approval for PSYC 2001 Statistical Methods for Psychology or PSYC 2002 Research Methods may be delayed in the completion of their degree requirements beyond the typical two-year period.

**A minimum grade of C (2.0) is required in all courses for the major. Students must repeat any course in which a grade below C (2.0) is earned.**

**Students may not register for any Psychology course for a third time without the written permission of the Psychology Department Chairperson and the Dean of the Bellarmine College of Liberal Arts.**

A minimum grade of C (2.0) is required in the Lower Division Requirements in order to remain a Psychology major and advance to Upper Division Major Requirements.

Lower Division Major Requirements (16 semester hours):

1. PSYC 1000 General Psychology
2. PSYC 2001 Statistical Methods for Psychology
3. PSYC 2002 Research Methods
4. PSYC 2003 Brain and Behavior

Upper Division Major Requirements (24 semester hours):

Prerequisite: Completion of all lower division major requirements with a minimum grade of C (2.0) in each.

1. PSYC 4001 Cognitive Neuroscience
2. PSYC 4002 Social Psychology
3. Three additional upper division PSYC electives (12 semester hours): 2 courses, either PSYC 3000- or PSYC 4000-level; and 1 PSYC 4000-level course
4. PSYC 4100 Capstone Seminar. Prerequisite: All upper division major requirements completed or currently in progress.
5. PSYC 4195 Senior Assessment. Prerequisite: All upper division major requirements completed or currently in progress.

The normal course load is 16 semester hours (typically 4 classes). By following a model similar to the one below, a student will complete all lower division core requirements by the end of the sophomore year as well as lower division major requirements/prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. While there are many paths to completion in four years, this sample model is one approach. This plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- PSYC 1000 General Psychology *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- PSYC 2001 Statistical Methods for Psychology *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- PSYC 2002 Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- PSYC 2003 Brain and Behavior *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Junior Year

##### Fall Semester

- PSYC 4001 Cognitive Neuroscience *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- PSYC 4002 Social Psychology *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Senior Year

##### Fall Semester

- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- PSYC 4100 Capstone Seminar *4 semester hours*
- PSYC 4195 Senior Assessment *0 semester hours*
- PSYC 4xxx Upper Division Elective *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Honors in Psychology

Psychology majors who 1) meet a minimum Psychology and University GPA and 2) who have the consent of a department faculty member who will oversee their Honors project may apply to do Honors in the last two semesters at LMU. Applications are due in the semester before Honors work will begin (generally, the Spring semester of Junior year). To receive Honors, accepted students must, over the course of at least two semesters: 1) complete a significant research project; 2) complete an APA-style manuscript detailing the project; and 3) complete a conference presentation detailing the project prior to graduation (e.g., by participating in LMU's Undergraduate Research Symposium). Accepted students should enroll in PSYC 4196 for 0 semester hours in the Fall of their Senior year and 4 semester hours in the Spring of their Senior year. The 4 semester hours from PSYC 4196 count toward the 24 semester hours of upper division course work required of majors.

## Minor

### Psychology Minor

#### Minor Requirements

LMU students who wish to declare a Psychology minor must have completed PSYC 1000 General Psychology (with a minimum grade of C) and must have a cumulative GPA of 3.0.

**A minimum grade of C (2.0) is required in all courses for the minor. Students must repeat any minor course in which a grade below C (2.0) is earned.**

**Students may not register for any Psychology course for a third time without the written permission of the Psychology Department Chairperson and the Dean of the Bellarmine College of Liberal Arts.**

Lower Division Minor Requirements (12 semester hours):

- PSYC 1000 General Psychology *4 semester hours*
- PSYC 2001 Statistical Methods for Psychology *4 semester hours*
- PSYC 2002 Research Methods *4 semester hours*

Three upper division elective courses (12 semester hours):

- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*
- PSYC 3xxx or 4xxx Upper Division Elective *4 semester hours*

Note:

Electives are selected in consultation with the Psychology Department Advisor (the Associate Chair) for the Minors. PSYC 4xxx Upper Division Electives require completion of PSYC 1000 General Psychology, PSYC 2001 Statistical Methods for Psychology, PSYC 2002 Research Methods, and PSYC 2003 Brain and Behavior.

## Sociology

### Faculty

Chairperson: Anna Muraco

Professors: Stacy Lee Burns, James Faught, Nadia Kim, Anna Muraco

Associate Professors: Stephanie Limoncelli, Eric Magnuson, Rebecca Sager, Rachel Washburn

Assistant Professors: Roberto Cancio, Ravaris Moore, Sylvia Zamora

### Bachelors

### Sociology, B.A.

Objectives

The Sociology Department aims to foster the intellectual development of students and to promote

lifelong learning experiences. Through coursework, we expect our students to develop what C. Wright Mills called the "sociological imagination" or the ability to recognize and assess how social forces shape the lives of individuals in a changing and complex world.

Our curriculum is designed to help students to explore relationships in society, the social and cultural dimensions of human behavior, the dynamics of interaction, social institutions and groups, and social change in a global context. Upon completing the major, students are equipped with the necessary analytical and methodological skills to help solve contemporary and real-world problems and are prepared for graduate study and careers in a range of fields.

### Sociology Student Learning Outcomes

I. To enable students to develop a sociological imagination.

- Distinguish sociological explanations of human behavior from those of other disciplines.
- Express sociological ideas in a clear and coherent manner.
- Describe how social structure affects groups and individuals.
- Articulate the relationship between self and society.

II. To enable rigorous analysis of social phenomena using sociological concepts, frameworks, and methodologies.

- Delineate the major theoretical frameworks used in building sociological knowledge.
- Apply sociological theories to social phenomena.
- Explain how social structures are reproduced or changed as a consequence of social forces.
- Transform a problem of interest into a researchable question.
- Evaluate methodologies employed in the social sciences.
- Explain the ethical implications of social science research.

III. To encourage the development of engaged, thoughtful individuals capable of applying a sociological lens to address social problems.

- Use sociological information to critically analyze contemporary social issues.
- Describe patterns of social inequality and their effects for groups and individuals.
- Evaluate different strategies for ameliorating social problems.

### Major Requirements

- 40 total semester hours in sociology
- An average grade of C (2.0) in major courses must be obtained in order to graduate.

### Lower Division Requirements (12 semester hours):

- SOCL 1000 Principles of Sociology *4 semester hours*
- SOCL 2000 Qualitative Research Methods *4 semester hours*
- SOCL 2100 Quantitative Research Methods *4 semester hours*

### Note:

A grade of at least C (2.0) will be required in all lower division courses.

### Upper Division Requirements:

28 semester hours in upper division courses in sociology which must include SOCL 3000 and SOCL 4900. SOCL 4900 should be taken in the senior year.

The remaining 20 semester hours are to be chosen from the three theme areas into which upper division sociology courses are grouped: I. Social Institutions, Organizations, and Groups; II. Power and Inequality; and III. Social Processes and Change. Students must take at least one course from each of the three theme areas. The remaining courses may be taken from any of the upper division offerings.

At least two 3000- or 4000-level sociology courses must be taken in the senior year.

#### Area I: Social Organizations, Institutions, and Groups

- SOCL 3100 Metropolitan Los Angeles *4 semester hours*
- SOCL 3110 Sociology of Sport *4 semester hours*
- SOCL 3120 Social Organization *4 semester hours*
- SOCL 3130 Sociology of Law *4 semester hours*
- SOCL 3140 Sociology of Popular Culture *4 semester hours*
- SOCL 3141 Media: The Empire of Illusion *4 semester hours*
- SOCL 3150 Sociology of Health and Illness *4 semester hours*
- SOCL 3160 Sociology of Marriage and Families *4 semester hours*
- SOCL 4100 Criminal Justice *4 semester hours*
- SOCL 4101 Criminal Law *4 semester hours*
- SOCL 4103 Social Psychology and the Law *4 semester hours*
- SOCL 4110 Religion, Culture, and Society *4 semester hours*
- SOCL 4120 Science, Technology, and Society *4 semester hours*

#### Area II: Power and Inequality

- SOCL 3200 Deviant Behavior *4 semester hours*
- SOCL 3210 Gender and Society *4 semester hours*
- SOCL 3211 Men and Masculinities *4 semester hours*
- SOCL 3221 Race and Ethnic Relations *4 semester hours*
- SOCL 3222 Sociology of the Black Community *4 semester hours*
- SOCL 3231 Social Stratification *4 semester hours*
- SOCL 3232 Community *4 semester hours*
- SOCL 3233 Political Sociology *4 semester hours*
- SOCL 3240 Sociology of Aging *4 semester hours*
- SOCL 3250 Health and Social Justice *4 semester hours*
- SOCL 3260 Human Trafficking *4 semester hours*
- SOCL 3290 Social Inequalities *4 semester hours*
- SOCL 4202 Crime and Delinquency *4 semester hours*

#### Area III: Social Processes and Change

- SOCL 3300 Urban Sociology *4 semester hours*
- SOCL 3310 Demography and Population Analysis *4 semester hours*
- SOCL 3320 Social Psychology *4 semester hours*
- SOCL 3321 Sociology of Emotions *4 semester hours*
- SOCL 3340 Social Movements *4 semester hours*
- SOCL 3341 Politics, Faith, and Civic Engagement *4 semester hours*
- SOCL 3350 The Life Course *4 semester hours*
- SOCL 3351 Sociology of Adolescents *4 semester hours*
- SOCL 3360 Environment and Society *4 semester hours*

- SOCL 3370 Sociology of Globalization *4 semester hours*
- SOCL 3371 Gender and Global Migration *4 semester hours*
- SOCL 3372 Sociology of U.S. Immigration *4 semester hours*
- SOCL 3373 Immigration and Los Angeles *4 semester hours*
- SOCL 3390 Work and Economic Justice *4 semester hours*

### Sociology Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- SOCL 1000 Principles of Sociology *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

#### Sophomore Year

##### Fall Semester

- SOCL 2000 Qualitative Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Understanding Human Behavior University Core (non SOCL) *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- SOCL 2100 Quantitative Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

- Elective *3-4 semester hours*

Total: 13-16 semester hours

Junior Year

Fall Semester

- SOCL 3000 Sociological Theory *4 semester hours*
- SOCL Upper Division (Theme Area) *4 semester hours*
- SOCL Upper Division (Theme Area) *4 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Spring Semester

- SOCL Upper Division (Theme Area) *4 semester hours*
- SOCL Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- SOCL Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- SOCL 4900 Sociology Seminar *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Minor**

### **Sociology Minor**

Minor Requirements

20 semester hours, including SOCL 1000 and SOCL 2000 or SOCL 2100, and SOCL 3000, and 8 semester hours in upper division courses. An average grade of C (2.0) must be obtained in courses included in the

minor. At least one 3000- or 4000-level sociology course must be taken in the senior year.

## **Theological Studies**

### **Faculty**

Chairperson: Amir Hussain

Professors: Christopher Key Chapple (Navin & Pratima Doshi Professor of Indic & Comparative Theology), Douglas Christie, Allan Deck, S.J., Cecilia Gonzalez-Andrieu, Roberto Dell'Oro, Michael P. Horan, Amir Hussain, Jonathan Rothchild, Daniel L. Smith-Christopher

Associate Professors: Anna Harrison, Brett Hoover, Gil Klein, Matthew Petrusek, Nancy Pineda-Madrid, (T. Marie Chilton Chair in Catholic Theology), Charlotte C. Radler, Tracy Sayuki Tiemeier

Assistant Professors: Sarah Emanuel, Karen Enriquez, Kim Harris, Layla Karst, Christopher P. Miller, Eric Haruki Swanson

Senior Instructor: Nirinjan Khalsa

Instructor: Roy Fisher

### **Contact Information**

**Department Chair:** Amir Hussain

**E-mail:** Amir.Hussain@lmu.edu

**Undergraduate Director:** Matthew Petrusek

**E-mail:** Matthew.Petrusek@lmu.edu

**Graduate Director:** Brett Hoover

**E-mail:** Brett.Hoover@lmu.edu

**Websites:** <https://bellarmine.lmu.edu/theologicalstudies/>

Graduate Programs: <https://bellarmine.lmu.edu/theologicalstudies/graduateprograms/>

**Office Location:** University Hall 3700

**Telephone:** 310.338.7670

**Fax:** 310.338.1947

## **Theological Studies Graduate Program**

### **Mission Statement**

The Master of Arts (Theology) provides students with a critical understanding of the Christian theological tradition, especially from a Roman Catholic perspective. The program engages students in serious reflection on the broad range of theological studies and methods (biblical, comparative, historical, liturgical, and systematic theology, as well as ethics, spirituality, faith and culture, ecumenical and inter-religious dialogue). The goal of the program is to provide a general and integrated exploration of these areas for students seeking

to teach on a secondary level, for students preparing for graduate education, and for students with a strong interest in theology beyond the undergraduate level.

The Master of Arts in Pastoral Theology engages the student in critical theological reflection on ministerial practice as preparation for active ministry in a pluralistic society. The program provides theological foundations in pastoral theology, especially in the Roman Catholic tradition, and integrates the formation of persons preparing for pastoral ministry with their study of the Christian theological tradition (spirituality, liturgy, faith and culture, ethics, as well as biblical, historical, and systematic theology, and ecumenical and inter-religious dialogue). Throughout the program there is a stress on the holistic relationships between pastoral theology, faith seeking critical understanding, and faith that does justice.

## **Admission Requirements**

- **Baccalaureate degree from an accredited institution**
- **Demonstrated ability to do graduate studies**

This last requirement can be fulfilled by providing a range of information including: graduate work completed or advanced degree obtained; evidence of undergraduate work, including GPA and submission of written academic work (e.g., a term paper); scores received on the GRE, the Miller Analogies, or other standardized tests (note: GRE scores and standardized tests are not required); a personal interview.

Applicants need to indicate the particular Master of Arts program to which they are applying, either M.A. (Theology) [THEO] or M.A. in Pastoral Theology (PATH).

All applicants for admission to the master's degree programs are required to submit a Graduate Division application and \$50.00 fee; two copies of all post-secondary transcripts; a personal statement; a written response to a piece of theological writing; and two letters of recommendation (one academic reference recommended). All materials should be sent to the Graduate Admissions Office. Applicants who have applied for admission may be formally admitted or may be required to fulfill prerequisites before being formally admitted.

All materials for admission should be received in the Graduate Admission Office by the priority deadline indicated below. Applications received after this deadline will be reviewed on an individual basis.

### **March 1 for the Fall semester**

Students may take graduate courses in non-degree status with permission of the Graduate Director.

## **Theological Studies Undergraduate Program**

### **Mission Statement**

The Department of Theological Studies engages the LMU student community in thoughtful, critical reflection on faith and religious praxis with a special concern for the Roman Catholic tradition. We educate the whole person and serve faith by an academic exploration of its possibilities, challenges, and ambiguities while also engaging in ecumenical and interreligious dialogue. We strive to promote justice by the structure of our curriculum and by encouraging students and faculty to engage their theological understanding in a world both graced and broken.

# Vision Statement

Loyola Marymount University is the largest Catholic university on the West Coast, in a city that is at once the largest Roman Catholic archdiocese in the United States as well as one of the most religiously diverse cities in the world. The Department of Theological Studies has the unique role and responsibility of promoting the study of theology and religion within the University and the broader Los Angeles community. The Department also has a special role to play in helping the University to live out its Mission in the service of faith and the promotion of justice. The urgency of these endeavors is reinforced by the importance of religion in the 21st century in our globalized world.

## Bachelors

### Theology, B.A.

#### Program Goals

1. To maintain a challenging and current curriculum for our Majors to provide them with a foundation for pursuing careers as teachers, ministers, and many other professions or for graduate work in Theological Studies;
2. To maintain a challenging and current curriculum for our Minors to provide them with a solid understanding of theology and religious studies, ethical values, social justice, and spirituality;
3. To maintain a current and challenging set of core curriculum courses that contribute to fulfilling the mission of Loyola Marymount as a Catholic liberal arts University.

#### Student Learning Outcomes

By virtue of their Theological Studies courses, majors should:

1. Identify the beliefs and practices of major religious traditions, including Christianity and especially Catholic Christianity;
2. Understand the richness and complexity of theological and religious traditions, especially in light of contemporary issues and diverse voices;
3. Examine and evaluate critically the diverse ways in which religious beliefs and practices change across time and space;
4. Integrate theological and religious questions and problems through the careful study of a major theological or religious thinker or theme;
5. Develop theological and religious comprehension and reflection through the acquisition of a research language or engaged learning.

By virtue of their Theological Studies courses, minors should:

1. Identify the beliefs and practices of major religious traditions;
2. Understand the richness and complexity of theological and religious traditions, especially in light of contemporary issues and diverse voices;
3. Examine and evaluate critically the diverse ways in which religious beliefs and practices change across time and space;
4. Integrate theological and religious questions and problems through the careful study of either a major theological or religious thinker or a major theological or religious theme.

#### Major Requirements

The undergraduate major consists of 40 semester hours total (10 courses).

Lower Division Requirements (3 courses or 12 semester hours):

- THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation *4 semester hours* or
- THST 1010 New Testament Contexts *4 semester hours*
  
- THST 1030 Exploring the Catholic Theological Tradition *4 semester hours* or
- THST 1080 Comparative Theology *4 semester hours*
  
- THST 1500 World Religions of Los Angeles *4 semester hours*

Note:

Normally, THST 1000 or THST 1010 is taken at the beginning of the program of study.

Upper Division Requirements (28 semester hours: 3 required courses, 4 elective courses):

Required Upper Division Courses (12 semester hours)

- Any THST Historical Analysis and Perspectives course *4 semester hours*
- THST 4090 Major Theological and Religious Thinker *4 semester hours*
- THST 4091 Major Theological and Religious Theme *4 semester hours*

Upper Division Electives (16 semester hours)

- Four upper division THST electives, including at least one at the 4000-level, are required.

Additional Requirements

Additional requirements include fulfilling a language requirement OR taking an additional Engaged Learning flag (beyond the one required in the University Core) in a Theological Studies course. The language requirement is an intermediate level proficiency requirement that can be met in three ways: by satisfactorily passing Language 1 and Language 2 courses; scoring a 4 or 5 on the AP language exam; or by taking the language placement exam and placing above the Language 2 level.

Note:

An average grade of C (2.0) must be obtained in the courses included in the major.

We recommend that additional philosophy courses be taken as early as possible. The specific courses are to be determined in conjunction with the student's Theological Studies advisor.

Theology Society

The Theology Society is a co-curricular student group open to all Theological Studies undergraduate majors and minors, as well as non-majors/minors who are interested in theological issues and topics. The group convenes monthly, typically sharing lunch and discussion, often with a guest speaker. The group also organizes various outings as opportunities for students to socialize with one another and with Theological Studies faculty. The Theology Society hosts annual visits from admissions representatives from graduate theological programs around the country for interested students. The Theology Society's members also participate in an annual paper competition sponsored by the Department of Theological Studies, in which the winning paper is presented to faculty and students each Spring.

## Theta Alpha Kappa

LMU's Department of Theological Studies is an institutional member of Theta Alpha Kappa (TAK), the only national honor society serving the needs of those involved in the study of religion and/or theology. The membership of Theta Alpha Kappa is composed of students and professors who have been elected to membership upon the basis of excellence in Theology and Religious Studies. Each Spring the department inducts eligible students into this honor society.

### TAK Undergraduate Admission Qualifications:

1. Completion of at least three semesters at LMU
2. Successful completion of 16 semester hours of THST course work
3. Cumulative GPA of at least 3.0
4. GPA of at least 3.5 in THST course work

### Core Curriculum in Theological Studies

- Theological Inquiry (Foundations level) (see Course Descriptions)
- Studies in American Diversity (Foundations level) (see Course Descriptions)
- Historical Analysis and Perspectives (Explorations level) (see Course Descriptions)
- Faith and Reason (Integrations level) (see Course Descriptions)
- Ethics and Justice (Integrations level) (see Course Descriptions)
- Interdisciplinary Connections (Integrations level) (see Course Descriptions)

Only courses in the 1000 series and 3000 series will fulfill the core curriculum requirements. All 4000-level courses have a prerequisite of one upper division course. The 4000-level courses fulfill major or minor requirements. Except for those entering LMU as a transfer student, no student may take a 3000-level course without successful prior completion of a 1000-level course.

### Theological Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation *4 semester hours* or
- THST 1010 New Testament Contexts *4 semester hours*
  
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- THST 1030 Exploring the Catholic Theological Tradition *4 semester hours* or
- THST 1080 Comparative Theology *4 semester hours*

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

Sophomore Year

Fall Semester

- THST 1500 World Religions of Los Angeles *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective (or Language 1) *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- Any THST Historical Analysis and Perspectives *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective (or Language 2) *3-4 semester hours*

Total: 13-16 semester hours

Junior Year

Fall Semester

- THST 4000-level *4 semester hours*
- THST Upper Division Elective *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- THST Upper Division Elective *4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Senior Year

Fall Semester

- THST 4091 Major Theological and Religious Theme *4 semester hours*
- THST Upper Division Elective (with additional Engaged Learning flag) *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- THST 4090 Major Theological and Religious Thinker *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Masters**

### **Pastoral Theology, M.A.**

Degree Requirements

Core Courses (8 courses--24 semester hours) in categories A through H:

- THST 6010 Foundations of New Testament Theology *3 semester hours* or
- THST 6000 Foundations of Old Testament Theology *3 semester hours*
- THST 6030 Introduction to Systematic Theology *3 semester hours*
- THST 6060 Foundations of Theological Ethics *3 semester hours* or
- one course from the Historical area (6020s) *3 semester hours*
- THST 6070 Foundations of Pastoral Theology *3 semester hours*
- THST 6074 Spiritual Formation for Pastoral Ministry *3 semester hours*
- THST 6078 Supervised Pastoral Field Education *3 semester hours* (usually taken after 15 semester hours and THST 6070)
- THST 6090 Graduate Pro-Seminar *3 semester hours* (usually taken during the first semester)
- THST 6091 Pastoral Synthesis Seminar *3 semester hours* (student must have completed at least 27 semester hours in order to take this capstone course)

Pastoral Theology Electives

(18 semester hours)

Pastoral Theology students are required to take one three-semester-hour course in either Liturgy, Religious Education, or Spirituality and select other elective courses offered by the Department of Theological Studies

after consultation with their advisor.

The program is designed to allow a student to pursue general interests or a particular concentration. Concentrations are offered in two areas: 1) Pastoral Leadership and 2) Spiritual Direction. Under special circumstances, students may take up to two courses (six semester hours) outside the department.

### Spiritual Direction Concentration

An option for Students in the M.A. in Pastoral Theology

This concentration is designed for anyone enrolled in the Master of Arts in Pastoral Theology who would like to acquire the art of spiritual direction, a ministry of accompanying others in their spiritual journey. The purpose of the concentration is twofold: 1) to provide a course of studies that integrates theology, Scripture, psychology, spirituality, skills acquisition and supervision in the art of spiritual direction and 2) to assist participants to discern whether they are being called to the ministry of spiritual direction.

Upon successful completion of the four required courses listed below, participants will be able to designate that their Master of Arts in Pastoral Theology included a concentration in spiritual direction training.

Students who wish to concentrate their electives in spiritual direction would take the following courses.

NOTE: THST 6051 The Theory and Practice of Spiritual Direction, needs to be taken first; THST 6054 Practicum and Supervision in Spiritual Direction, needs to be taken last. The other two courses can be taken whenever opportune, after completing the first course.

- THST 6051 The Theory and Practice of Spiritual Direction *3 semester hours*
- THST 6052 Ignatian Spirituality and Discernment *3 semester hours* (prerequisite: THST 6051)
- THST 6053 Psychological Foundations of Spiritual Direction *3 semester hours* (prerequisite: THST 6051)
- THST 6054 Practicum and Supervision in Spiritual Direction *3 semester hours* (taken after completion of the three courses listed above)

### Pastoral Leadership Concentration

An option for Students in the M.A. in Pastoral Theology

#### **Description:**

The concentration is made up of four courses (12 semester hours) that the student chooses from the set of approved courses listed in the Bulletin for this Concentration.

The concentration is designed to educate those who will serve (or who currently serve) as leaders in pastoral settings, either as leaders in specialized ministries or as leaders in general ministry positions. Examples of leaders in specialized ministry include: Directors of Religious Education; Directors of Youth Ministry or Campus Ministry; and Directors of Catechumenate/RCIA. Leaders in generalist ministries include pastors and Pastoral Associates who are assigned a variety of general duties according to need.

The concentration is deliberately open to the students to design under the guidance of the academic advisor. In this way, students who find themselves actively engaged in, or aspiring to, leadership ministries within schools or parishes will choose courses for the concentration that fit their current or aspired ministry commitments.

#### Pastoral Leadership Concentration Course Offerings

- THST 6070 Foundations of Pastoral Theology *3 semester hours* (graduate core course)

Students are required to take:

- THST 6073 Theory and Practice of Pastoral Leadership *3 semester hours*

Students are required to take any two (2) of the following:

- THST 6040 Liturgical Theology: History and Interpretation *3 semester hours*
- THST 6041 The Rites *3 semester hours*
- THST 6071 Pastoral Approaches to Religious Education *3 semester hours*
- THST 6043 Faith and Culture *3 semester hours* (Catechesis in Southern California)
- THST 6075 Pastoral Liturgy *3 semester hours*
- THST 6076 The Theology of the Parish *3 semester hours*
- THST 6077 Special Topics in Pastoral Theology *3 semester hours*
- THST 6053 Psychological Foundations of Spiritual Direction *3 semester hours*

Pastoral Synthesis Project (Pastoral Theology capstone)

The Pastoral Synthesis Project is the required capstone experience for all Pastoral Theology students. The project is designed to elicit familiarity with scholarly sources and pastoral analysis of issues that impact the contemporary practice of ministry. The project is neither solely a research paper nor a reflection paper, but a synthesis of both. The project is typically done in the last semester of the Pastoral Theology program.

Learning Outcomes

Students will know the basic contours of:

- Pastoral Theology
- Critical approaches to Biblical Theology and Systematic Theology
- Either Theological Ethics or Historical Theology
- Theological Method;

Students will be able to:

- Assess pastoral situations from a critical stance
- Reflect on ministerial practice in a pluralistic society
- Engage in biblical exegesis with attention both to historical contexts and contemporary pastoral contexts
- Reflect critically on the praxis of faith, particularly within the Roman Catholic context
- Discuss the main contours of either church history or of theological ethics, especially as they relate to ministerial practice
- Integrate theological vision, critical understanding, and a faith attentive to justice;

Students will value:

- The significance of ecclesial community for pastoral practice
- An integrated formation of the person for pastoral ministry
- A pluralistic approach to pastoral ministry.

## **Theology, M.A.**

Degree Requirements

Core Courses (7 courses--21 semester hours) in categories A through G:

- THST 6010 Foundations of New Testament Theology *3 semester hours* or

- THST 6000 Foundations of Old Testament Theology *3 semester hours*
- THST 6020 Foundations of Historical Theology *3 semester hours*
- Any one course from the 6020s
- THST 6030 Introduction to Systematic Theology *3 semester hours*
- THST 6060 Foundations of Theological Ethics *3 semester hours*
- THST 6090 Graduate Pro-Seminar *3 semester hours* (usually taken during the first semester)
- THST 6092 Comprehensive Exam Seminar *3 semester hours* (taken after completing 36 semester hours minimum)
- THST 6093 Research and Writing Seminar *3 semester hours* (taken after completing 36 semester hours minimum)

Theology Electives (21 semester hours)

Theology students are to complete an additional 21 semester hours for a total of 42 semester hours.

Total: 42 semester hours

Comparative Theology Concentration

An option for Students in the M.A. (Theology)

M.A. (Theology) students may choose to take elective courses that develop a concentration in Comparative Theology. The concentration in Comparative Theology serves students who wish to focus their program more specifically around questions of religious diversity, inter-religious dialogue, world religions, and comparative theology.

The concentration is comprised of four courses (12 semester hours), one (1) required course (THST 6080 Comparative Theology), and three (3) other approved courses, which the student chooses in conjunction with the academic advisor. Students must also fulfill core requirements as listed above, items A through G.

Comparative Theology Concentration--Course Offerings

Students who choose to do this Concentration are required to take:

- THST 6080 Comparative Theology *3 semester hours*

In addition, students are required to take three (3) of the following:

(Or other courses approved by the academic advisor in concert with the graduate director)

- THST 6033 Feminist Theology *3 semester hours*
- THST 6081 Comparative Religious Ethics *3 semester hours*
- THST 6082 Comparative Mysticism *3 semester hours*
- THST 6083 Hinduism, Vedanta, and Yoga *3 semester hours*
- THST 6084 Buddhism *3 semester hours*
- THST 6085 Classics of Chinese Philosophy *3 semester hours*
- THST 6086 Readings in Religious Literature *3 semester hours*
- THST 6087 Jainism *3 semester hours*

Learning Outcomes

Students will know the basic contours of:

- Biblical Theology
- Systematic Theology
- Theological Ethics
- Historical Theology
- Comparative Theology
- Theological Method;

Students will be able to:

- Perform biblical exegesis with attention to historical contexts, the history of interpretation, and contemporary theological developments
- Engage in critical theological reflection on major systematic themes
- Demonstrate a clear grasp of significant developments in the history of the church
- Describe the work of seminal thinkers in the history of Christian ethics and analyze contemporary moral problems
- Demonstrate familiarity with other (non-Christian) religious traditions
- Recognize and employ various theological methods;

Students will value:

- Critical fidelity within the Roman Catholic tradition
- Ecumenical and inter-faith dialogue
- Creative tension between theological unity and diversity.

## **Minor**

### **Theology Minor**

Theology Minor Requirements

The undergraduate minor consists of 20 semester hours (5 courses).

Minors are required to take a minimum of three upper division courses (at least one of the courses has to be a 4000-level, and one of the courses has to be THST 4090 Major Theological and Religious Thinker OR THST 4091 Major Theological and Religious Theme).

Catholic Studies Minor

Students with particular interest in Catholic Studies are encouraged to consider the Catholic Studies Minor described in this Bulletin.

Jewish Studies Minor

Students with particular interest in Jewish Studies are encouraged to consider the Jewish Studies Minor described in this Bulletin.

### **Urban and Environmental Studies**

## **Chairperson**

Peter R. Hoffman

## **Faculty**

Professor: Bernadette Musetti

Associate Professors: Peter R. Hoffman, Mona Seymour

Assistant Professor: Tyler Harlan

## **The Department**

Urban and Environmental Studies is an interdisciplinary department focused on critically examining two of the most dynamic issues of the 21st Century: the rapid urbanization of the global population and the dramatic increase in the complexity of human interactions with the natural environment. The department's concentration in urban studies allows students and faculty to engage in the systemic study of cities and work to address the complex economic, political, and social problems of urbanization and urban life. Similarly, the concentration in environmental studies allows students and faculty to study complex environment-society relationships and gain a better understanding of some of the world's most pressing ecological, political, economic, and social problems.

The department curriculum, including the Urban Studies senior project and the EVST capstone course, allows students to take advantage of one of LMU's greatest assets: the many linkages that connect LMU to the extraordinary dynamic, multicultural metropolitan area surrounding the University. Los Angeles is both an educational resource and a laboratory for the department's students.

## **Bachelors**

### **Urban Studies, B.A.**

#### Objectives

As an interdisciplinary program, Urban Studies encourages students to examine urbanization and the multitude of issues inherent in urban life from the perspectives of a wide range of disciplines and methodological traditions. The critical analysis of urban issues helps students evaluate the various political, sociocultural, and economic strategies available to urban planners, local governments, law enforcement agencies, and others seeking to remedy the problems of contemporary cities.

Career options for Urban Studies majors may be found in local government, law enforcement, real estate development, and urban social services. The major is also appropriate preparation for students seeking careers or graduate education in urban planning, public administration, social welfare, policy analysis, or the law.

#### Urban Studies Student Learning Outcomes

By virtue of their Urban Studies Program courses, students should know:

- The general history of urbanization and its associated economic and demographic processes
- The structures and expressions of urbanization and urban life associated with modern and postmodern

cities

- The structures and expressions of urbanization and urban life associated with cities of the developed realms/core and those associated with cities of the less developed realm/periphery
- The basic research questions and agendas associated with the various disciplines contributing to our understanding of urban issues
- The general expressions of urbanization and urban life associated with contemporary Los Angeles
- The common theories, practices, and methodologies employed in contemporary urban planning and policy analysis;

By virtue of their Urban Studies Program courses, students should be able to:

- Effectively employ contemporary social science methodology in the analysis of urban issues
- Demonstrate written and oral competencies in the analysis of urban issues and policy
- Identify and utilize appropriate primary data, including census materials, for the analysis of urban issues
- Apply their understanding of urban issues to the development and critical analysis of programs and policies appropriate to addressing contemporary social and economic problems
- Successfully pursue graduate education in such areas as urban planning, public administration, policy analysis, social welfare, and the law upon completion of their major;

By virtue of their Urban Studies Program courses, students should value:

- Diverse perspectives in the analysis and assessment of urban issues and policies
- Thoughtful analysis of the implications of urbanization and urban policy in the context of social justice and sound environmental practices
- Rigorous, scientific research that enlightens the experience of urban populations and contributes to the resolution of the social and environmental problems associated with urbanization
- Community-based participation in the development of programs and policies that contribute to the social, economic, political, and environmental improvement of their communities and cities.

## Major Requirements

Lower Division Requirements:

16 semester hours:

- URBN 1000 The Urban World *4 semester hours*
- URBN 1010 Introduction to Geographical Information Systems *4 semester hours*
- SOCL 2000 Qualitative Research Methods *4 semester hours*
- SOCL 2100 Quantitative Research Methods *4 semester hours*

Note:

A grade of C (2.0) will be required in all lower division major courses.

Upper Division Requirements:

24 semester hours in upper division courses, including:

- URBN 3045 Urban Planning *4 semester hours*
- URBN 3046 Sustainable Cities *4 semester hours*
- URBN 3047 Community Development *4 semester hours*
- URBN 4000 Senior Project *4 semester hours*

8 semester hours in one or more of the following areas:

1. Law and Justice:

- POLS 3230 Courts, Law, and Society *4 semester hours*
- POLS 4210 United States Constitutional Law: Case Method I *4 semester hours*
- POLS 4220 United States Constitutional Law: Case Method II *4 semester hours*
- SOCL 3130 Sociology of Law *4 semester hours*
- SOCL 3200 Deviant Behavior *4 semester hours*
- SOCL 4100 Criminal Justice *4 semester hours*
- SOCL 4101 Criminal Law *4 semester hours*
- SOCL 4202 Crime and Delinquency *4 semester hours*

2. Urban Politics, Public Administration, and Policy Analysis:

- CLST 3320 Racial and Ethnic Politics *4 semester hours*
- CLST 4310 Chicana/o Politics *4 semester hours*
- ECON 3560 Urban Economics *4 semester hours*
- POLS 3340 Urban Politics *4 semester hours*
- POLS 4390 Politics of Los Angeles *4 semester hours*
- POLS 4250 Public Policy Analysis *4 semester hours*
- SOCL 3120 Social Organization *4 semester hours*

3. Urban Culture:

- ART 481 Photographing Los Angeles *3 semester hours*
- HIST 4410 History of Los Angeles *4 semester hours*
- SOCL 3232 Community *4 semester hours*
- SOCL 3300 Urban Sociology *4 semester hours*
- URBN 3010 Metropolitan Los Angeles *4 semester hours*
- WGST 3800 Gender and Urban Geographies *4 semester hours*

4. Urban-Ethnic Communities:

- APAM 4327 Asian American Psychology *4 semester hours*
- APAM 4350 Immigration and Los Angeles *4 semester hours*
- CLST 3308 Contemporary Urban Issues *4 semester hours*
- ECON 3740 Economic Development of Minority Communities *4 semester hours*
- SOCL 3221 Race and Ethnic Relations *4 semester hours*
- SOCL 3222 Sociology of the Black Community *4 semester hours*

5. Urban Planning:

- BIOL 321 Urban Ecology *3 semester hours*
- ECON 3300 Econometrics *4 semester hours*
- ECON 3340 Forecasting Methods *4 semester hours*
- ECON 5320 Advanced Econometrics *4 semester hours*
- SOCL 3310 Demography and Population Analysis *4 semester hours*
- SOCL 3360 Environment and Society *4 semester hours*
- URBN 3998 Special Studies *1 TO 4 semester hours* (taken as GIS Research *4 semester hours*)

Note:

An average grade of C (2.0) must be obtained in the upper division courses included in the major.

### Urban Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

#### Freshman Year

##### Fall Semester

- URBN 1000 The Urban World *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- URBN 1010 Introduction to Geographical Information Systems *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Sophomore Year

##### Fall Semester

- SOCL 2000 Qualitative Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- SOCL 2100 Quantitative Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Junior Year

## Fall Semester

- URBN 3046 Sustainable Cities *4 semester hours*
- URBN 3047 Community Development *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

## Spring Semester

- URBN 3045 Urban Planning *4 semester hours*
- URBN Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- URBN Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- URBN 4000 Senior Project *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Environmental Studies, B.A.**

### Objectives

The interdisciplinary Environmental Studies curriculum enables students to gain a broad foundation in the environment and human ecological relationships. Students examine these relationships and the natural environment from the perspectives of the humanities, social sciences, and environmental sciences, and apply these perspectives in an innovative capstone seminar.

### Student Learning Outcomes

Students who successfully compete the Environmental Studies major should:

#### Know-Understand

1. The basic science that frames and makes comprehensible current debates about environmental issues.
2. Various ways to assess and grasp the moral and ethical significance of environmental crises and the various possible responses to those crises.
3. The practical challenges (e.g., political, economic, etc.) associated with various possible responses to environmental crises.
4. The primary environmental issues confronting humans in the 21st Century (e.g., anthropogenic climate change, loss of biodiversity, resource consumption, etc.).

#### Do-Be Able to

1. Apply diverse perspectives and ways of addressing environmental questions (e.g., philosophical, economic, scientific, political, theological, etc.), transcending traditional disciplinary boundaries in favor of a more holistic perspective.
2. Apply the knowledge they have learned in the course of their studies to real-world issues, bridging the supposed gap between theory and practice.
3. Write, speak, and think clearly about the issues studied in the major and minor.

#### Value

1. The diverse perspectives and values (cultural, religious, economic, political, etc.) amongst the various stakeholders in environmental challenges.
2. The importance of good science in framing environmental questions.
3. The role of both (a) personal transformation (e.g., lifestyle choices, consumptive dispositions, etc.) and social transformation (e.g., community involvement, political action, addressing environmental justice and environmental racism, etc.) in any response to environmental challenges.

#### Major Requirements

The major consists of eleven (11) courses; most EVST majors will complete the required curriculum with 42 or 43 semester hours.

#### Lower Division Major Requirements: 3 courses

- ENVS 101 Introduction to Environmental Science *3 semester hours*
- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- EVST 1010 Introduction to Geographic Information Systems *4 semester hours*

#### Upper Division Major Requirements: 3 courses

- EVST 3010 Environmental Policy *4 semester hours*
- EVST 3020 Sustainable Cities *4 semester hours*
- EVST 4001 Environmental Studies Capstone Seminar *4 semester hours*

#### Major Distribution Course Requirements: 4 courses

Majors must meet the following course distribution requirements:

- Humanities (1 course; 3-4 semester hours)
- Social Sciences (1 course; 3-4 semester hours)
- Environmental Science (1 course, plus lab is applicable; 3-4 semester hours)
- Ethics and Justice (1 course; 3-4 semester hours)

Majors must meet the following requirement in selecting distribution courses:

- No more than four (4) lower division courses may count for the major (including the three required lower division major courses)
- An appropriate lower division course not listed for one of the Distributions may be counted for the major with approval of the Department Chair

Major Elective Course Requirements: 1 course

Majors must meet the following requirements in selecting an additional course to complete the major:

- No more than four (4) lower division courses may count for the major (including the three required lower division major courses)
- 1- and 2-semester-hour courses do not count toward the 11-course major requirement

Courses Approved for the Major and Minor Distribution Requirements and Major Elective Course

#### I. Humanities Distribution

- HIST 1060 Modern Global Environmental History *4 semester hours*
- HIST 1900 Science, Nature, and Society in the West *4 semester hours*
- HIST 3452 US Environmental History *4 semester hours*
- HIST 3820 Environment and Economy in China *4 semester hours*
- HIST 4411 The American West *4 semester hours*
- PHIL 3110 Environmental Ethics *4 semester hours*
- PHIL 3220 Environmental Philosophy *4 semester hours*
- PHIL 3998 Special Studies *1 TO 4 semester hours* (taken as Environmental Virtue Ethics *4 semester hours*)
- THST 3780 World Religions and Ecology *4 semester hours*
- WGST 3200 Gender, Race, and Environmental Justice *4 semester hours*

#### II. Social Science Distribution

- ECON 3998 Special Studies *1 TO 4 semester hours* (taken as Green Decision Making *4 semester hours*)
- ECON 4160 Environmental Economics *4 semester hours*
- EVST 3998 Special Studies *1 TO 4 semester hours*
- SOCL 3360 Environment and Society *4 semester hours*
- SOCL 3998 Special Studies *1 TO 4 semester hours* (taken as Environmental Movements *4 semester hours*)
- SOCL 3998 Special Studies *1 TO 4 semester hours* (taken as Environmental Inequality and Justice *4 semester hours*)
- URBN 1000 The Urban World *4 semester hours*
- URBN 3045 Urban Planning *4 semester hours*
- URBN 3998 Special Studies *1 TO 4 semester hours* (taken as Environmental Planning and Policy *4 semester hours*)

#### III. Environmental Science Distribution

- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 322 Urban Ecology Lab *1 semester hours*

- BIOL 357 Comparative Animal Physiology *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 381 Baja Marine Ecology Laboratory *1 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 460 Environmental Microbiology *3 semester hours*
- CHEM 250 Earth Systems *3 semester hours*
- CHEM 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- CHEM 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- CIVL 320 Introduction to Environmental Engineering *3 semester hours*
- CIVL 400 Fundamentals of Water and Wastewater Treatment *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- ENVS 263 Surfing and the Ocean Realm *3 semester hours*
- ENVS 276 Atmospheric Science *3 semester hours*
- ENVS 279 Principles of Environmental Sustainability *3 semester hours*
- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- HHSC 322 Public Health *3 semester hours*
- SCEM 190 Exploring the Natural Sciences *1 semester hours*

Note:

Some biology and environmental science courses have prerequisites beyond ENVS 101.

#### IV. Ethics and Justice

- EVST 3998 Special Studies *1 TO 4 semester hours*
- PHIL 3110 Environmental Ethics *4 semester hours*
- PHIL 3998 Special Studies *1 TO 4 semester hours* (taken as Environmental Virtue Ethics *4 semester hours*)
- SOCL 3998 Special Studies *1 TO 4 semester hours* (taken as Sustainability in East Asia *4 semester hours*)
- SOCL 3998 Special Studies *1 TO 4 semester hours* (taken as Environmental Inequality and Justice *4 semester hours*)
- WGST 3200 Gender, Race, and Environmental Justice *4 semester hours*

Note:

PHIL 3110 and PHIL 3998 and WGST 3200 may only be counted for one of the distribution requirements.

#### Elective Course

Alternatively, any course listed in the four Distribution categories can count for this requirement.

- ART 334 Animal Drawing *3 semester hours*
- ART 354 Art and Ecology *3 semester hours*
- INBA 4895 Global Sustainability: Challenges and Prospects in East Asia *4 semester hours*
- LBST 4900 Education and Global Issues *4 semester hours*

Environmental Studies Major Four-Year Plan:

Freshman Year

#### Fall Semester

- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- ENVS 101 Introduction to Environmental Science *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-15 semester hours

#### Sophomore Year

##### Fall Semester

- Humanities EVST Requirement *4 semester hours*
- EVST 1010 Introduction to Geographic Information Systems *4 semester hours* or
- URBN 1010 Introduction to Geographical Information Systems *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

##### Spring Semester

- Social Science EVST Requirement *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Junior Year

##### Fall Semester

- Environmental Science EVST (plus lab if applicable) *3-4 semester hours*
- URBN 3046 Sustainable Cities *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

Senior Year

Fall Semester

- EVST Upper Division Elective *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- EVST 4001 Environmental Studies Capstone Seminar *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Minor**

### **Urban Studies Minor**

Minor Requirements

20 semester hours, including

- URBN 1000 The Urban World *4 semester hours*
- URBN 1010 Introduction to Geographical Information Systems *4 semester hours*
- URBN 3045 Urban Planning *4 semester hours*
- URBN 3046 Sustainable Cities *4 semester hours*
- URBN 3047 Community Development *4 semester hours*

Note:

An average grade of C (2.0) must be obtained in the courses included in the minor.

### **Environmental Studies Minor**

The minor consists of six classes that can be satisfied with between 18 and 24 semester hours; students will generally complete the minor with 22 semester hours of work.

The course requirements are as follows:

- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*
- One Humanities Elective (such as HIST 1060, HIST 1900, HIST 3452, HIST 3820, HIST 4411, PHIL 3110, PHIL 3220, THST 3780, WGST 3200)
- One Social Science Elective (such as ECON 4160, URBN 3045, URBN 3046)
- One Environmental Science Elective (such as BIOL 321, ENVS 250, ENVS 279, SCHEM 190)

- EVST 4001 Environmental Studies Capstone Seminar *4 semester hours* (Typically offered in Spring only)

Only one of the three elective distribution requirement courses may be lower division.

## **Women's and Gender Studies**

### **Faculty**

Chairperson: Traci Brynne Voyles

Professors: Robbin D. Crabtree, Stella Oh

Associate Professor: Traci Brynne Voyles

Assistant Professors: Sina Kramer, Mairead Sullivan

### **Bachelors**

## **Women's and Gender Studies, B.A.**

### Objectives

The mission of Women's and Gender Studies at Loyola Marymount University is to engage students in a critical understanding of the complex ways gender shapes the world around them, particularly in relation to race, sexuality, class, and other social factors. Women's and Gender Studies invites students to participate in a vibrant interdisciplinary program of study that places women at the center of traditional disciplines. It encourages the critical examination of academic fields such as the humanities, social sciences, natural sciences, and the arts, as well as the gendered assumptions that underwrite them. Further, Women's and Gender Studies proposes not only that we ask different questions of academic disciplines from the perspective of women but also that we transform those fields and ways of knowing through the innovative theoretical tools and new methodologies that have been developed by feminist scholars and activists over the past thirty years. As a department committed to transformation through education, the mission of Women's and Gender Studies is to call attention to the androcentric nature of society, propose alternatives and strategies that honor women's human rights, and promote a vision of society where gender hierarchy, as well as other forms of social injustice, are eliminated. Grounded in feminist pedagogy, Women's and Gender Studies courses provide students with a broad understanding of the asymmetry of gender relations within diverse historical and cultural contexts. Our mission is to foster a vigorous intellectual environment where students can develop their analytical thinking skills and conceptual tools for social change.

### Women's and Gender Studies Student Learning Outcomes

- Students will be able to analyze the complex ways gender shapes the world, particularly in relation to race, sexuality, class, and other social factors.
- Students will be able to evaluate how feminist theories and methodologies provide intellectual tools through which we can examine inequalities and argue for change.
- Students will be able to express commitment to gender and social justice through an intersectional framework.
- Students will be able to clearly articulate their ideas orally and in writing.
- Students will gain information literacy skills.

## Major Requirements

Lower Division Requirements: 12 semester hours

- WGST 1000 Gender and Social Movements *4 semester hours*
- WGST 1100 Gender, Race, and Sexuality in Contemporary Society *4 semester hours*
  
- WGST 2000 Women in Global Communities *4 semester hours* or
- WGST 2200 Women's Bodies, Health, and Sexuality *4 semester hours*

Upper Division Requirements: 24 semester hours

Required Upper Division Courses: 12 semester hours

- WGST 3000 Feminist Theories *4 semester hours* or
- WGST 4001 Queer Theory *4 semester hours*
  
- WGST 3100 Feminist Research Methods *4 semester hours*
- WGST 4900 Senior Seminar in Women's and Gender Studies *4 semester hours*

Upper Division Options: 12 semester hours

Choose 8 semester hours (2 courses) from one of the following:

- WGST 3200 Gender, Race, and Environmental Justice *4 semester hours*
- WGST 3300 Gender, Race, and the Graphic Novel *4 semester hours*
- WGST 3301 Literature by Women of Color *4 semester hours*
- WGST 3500 Genders and Sexualities *4 semester hours*
- WGST 3600 History of Women in California *4 semester hours*
- WGST 3800 Gender and Urban Geographies *4 semester hours*
- WGST 4100 Sex, Trade, Trafficking *4 semester hours*
- WGST 4101 Queer Migration and Diaspora *4 semester hours*

In addition, choose 4 semester hours (1 course) from any Women's and Gender Studies upper division course.

At times a special studies course may be taken in lieu of one of the upper division electives. Please consult the Department for advice.

Total: 36 semester hours

Women's and Gender Studies majors should have a minimum of a C (2.0) in all Women's and Gender Studies classes.

Please note that cross-listed courses may have departmental prerequisites; consult departments for details.

### Women's and Gender Studies Model Four-Year Plan

The normal course load is 16 semester hours (4 classes). By following the model below, a student will complete all lower division core requirements by the end of the sophomore year as well as most major prerequisites. Note that core areas are suggested to provide a distribution of various disciplines every semester. Please be flexible implementing these suggestions, given your own interests and course availability. In four years, this plan meets all common graduation requirements.

## Freshman Year

### Fall Semester

- WGST 1000 Gender and Social Movements *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- WGST 1100 Gender, Race, and Sexuality in Contemporary Society *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

## Sophomore Year

### Fall Semester

- WGST 2000 Women in Global Communities *4 semester hours* or
- WGST 2200 Women's Bodies, Health, and Sexuality *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

## Junior Year

### Fall Semester

- WGST 3000 Feminist Theories *4 semester hours* or
- WGST 4001 Queer Theory *4 semester hours*
- WGST Upper Division Required Elective *4 semester hours*
- University Core *3-4 semester hours*

- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Spring Semester

- WGST Upper Division Optional Elective *4 semester hours*
- WGST Upper Division Required Elective *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- WGST 3100 Feminist Research Methods *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- WGST 4900 Senior Seminar in Women's and Gender Studies *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## **Minor**

### **Women's and Gender Studies Minor**

Minor Requirements

16 semester hours, including WGST 1000 or WGST 1100, WGST 3000 or WGST 4001, and at least 8 semester hours of WGST upper division courses. A minimum grade of C (2.0) must be earned in the Women's and Gender Studies minor courses. Please note that cross-listed courses may have departmental prerequisites; consult departments for details.

### **Yoga Studies**

### **Faculty**

**Program Director:** Christopher Key Chapple (Doshi Professor of Indic and Comparative Theology)

**Associate Professor:** Tracy Tiemeier

**Assistant Professor:** Christopher Miller (Bhagwan Mallinath Assistant Professor of Jainism and Yoga Studies)

**Instructor:** Nirinjan Khalsa (Instructor of Theological Studies)

**Clinical Professor:** Lori Rubenstein Fazzio (Clinical Professor of Yoga and Health)

**Adjunct Faculty:** Karen Muldoon-Hules (Lecturer in Yoga Studies), Dermott Walsh (Postdoctoral Faculty Fellow in Theological Studies)

## Certificate

### Yoga Therapy Post-Graduate Certificate

Learning Outcomes of the Post-Graduate Certificate (PGYT)

Upon successful completion of the certificate, students will:

1. Gain expertise in anatomy, physiology, and health science from the perspective of yoga
2. Gain expertise in applied yoga philosophy for enhancing eudemonic well-being
3. Demonstrate skilled competence in performing client intake, evaluation, assessment, and development of yoga therapy plans
4. Know the history and application of yoga therapy within and outside of India
5. Master the competencies required by the International Association for Yoga Therapists (see Requirements below).

#### Requirements

- All students must have completed the Master of Arts in Yoga Studies degree at LMU.
- All students must have completed, or be in the process of completing, Yoga Therapy Rx Level I through the LMU Center for Religion and Spirituality.
- All students will complete an additional nine semester hours of graduate study: YGST 6060 Health Science and Yoga II, YGST 6070 Yoga Therapy Applications, and YGST 6080 Yoga Therapy Practicum.
- All students will engage in a minimum of one semester of mentored Yoga Therapy practicum hours.
- Students seeking to qualify for Certification with the International Association of Yoga Therapists (C-IAYT) will complete Yoga Therapy Rx Level II and any remaining requisite mentored practicum hours through the LMU Center for Religion and Spirituality.

#### Curriculum

##### Fall, Year 3

- YGST 6060 Health Science and Yoga II *3 semester hours*
- YGST 6070 Yoga Therapy Applications *3 semester hours*

##### Spring, Year 3

- YGST 6080 Yoga Therapy Practicum *3 semester hours*
- Optional: Yoga Therapy India Study Abroad

## Masters

# Yoga Studies, M.A.

## Learning Outcomes of the M.A. Program in Yoga Studies

1. Graduates will gain knowledge of the Sanskrit language and the history and philosophy of Yoga traditions.
2. Graduates will understand the human physiological experience from Western and Yogic perspectives.
3. Graduates will understand the effects of Yoga practices on the human body.
4. Graduates will gain and apply knowledge of the spiritual and ethical dimensions of Yoga.
5. Graduates will understand modern Yoga in the context of historical and sociological developments.
6. Graduates will demonstrate effective research, evaluation, and writing skills on focused topics in Yoga.
7. Graduates who pursue the Yoga Therapy option will demonstrate competency in designing and implementing safe evidence-based therapeutic Yoga practices for individuals and groups with a variety of health conditions.

## Degree Requirements

Each Fall semester a new class will be welcomed as a cohort. The cohort will continue together as a group for the first year including the Fall, Spring, and Summer semesters. In the second year, students are able to choose courses within Graduate Yoga Studies coursework to focus their study in solely Yoga Studies or add courses in Yoga Therapy.

The total time to complete the Residential M.A. in Yoga Studies will be 21 months for the Yoga Studies and 21 months for Yoga Therapy optional coursework, allowing additional time to fulfill Certification with the International Association of Yoga Therapists (C-IAYT) requirements, with 39 semester hours, plus pre/co-requisites.

Total time to complete the Low Residency/Online M.A. in Yoga Studies is 33 months with 36 semester hours, plus pre/co-requisites.

Admission to the program is available only for the Fall semester.

As a pre- or co-requisite for completion of the M.A. Yoga Studies degree (with Yoga Studies or Yoga Therapy focus area option), each student must successfully complete one of the following LMU Yoga Studies Certificates through the Center for Religion and Spirituality: Yoga Philosophy (online), Vinyasa Krama Teacher Training, Yoga Therapy Rx, Yoga Ed, Yoga Mindfulness and Social Change, or Yoga and the Healing Sciences OR will be allowed, upon review, to transfer six post-graduate credits from another institution in an area related to Yoga Studies.

Note: Post Graduate Yoga Therapy Certificate and Yoga Therapy focused M.A. students who choose to pursue their IAYT certification must take Yoga Therapy Rx Level 1 as a co-requisite during the first year of study, and Yoga Therapy Rx Level 2 as a co-requisite during the second year. M.A. Yoga Studies coursework plus these two co-requisite certificate programs and completion of 150 mentored practicum hours qualifies graduates to apply for Certification with the International Association of Yoga Therapists (C-IAYT), if they so choose. Practicum hours are included within the M.A. program; however, additional hours are offered through the Yoga Therapy Rx program with LMU's Center for Religion and Spirituality.

## Curriculum

### Residential M.A., Yoga Studies

Fall, Year 1

- YGST 6005 Introduction to Sanskrit 3 semester hours
- YGST 6010 Health Science and Yoga I 3 semester hours
- YGST 6015 Foundations of Yoga Studies 3 semester hours

Spring, Year 1

- YGST 6020 Yoga Philosophy: Text and Practice 3 semester hours
- YGST 6026 Sanskrit: The Bhagavad Gita 3 semester hours
- YGST 6030 Hatha Yoga Texts 3 semester hours

Summer, Year 1

- YGST 6040 Buddhism and Yoga 3 semester hours
- YGST 6041 Jaina Yoga 3 semester hours

Fall, Year 2

- YGST 6025 Sanskrit: The Yoga Sutra 3 semester hours
- YGST 6050 History of Modern Yoga 3 semester hours
- YGST 6082 Comparative Mysticism 3 semester hours

Spring, Year 2

- YGST 6096 Writing and Research Seminar 3 semester hours

Residential M.A. Yoga Studies (Yoga Therapy Option)

Fall, Year 1

- YGST 6005 Introduction to Sanskrit 3 semester hours
- YGST 6010 Health Science and Yoga I 3 semester hours
- YGST 6015 Foundations of Yoga Studies 3 semester hours

Spring, Year 1

- YGST 6020 Yoga Philosophy: Text and Practice 3 semester hours
- YGST 6026 Sanskrit: The Bhagavad Gita 3 semester hours
- YGST 6030 Hatha Yoga Texts 3 semester hours

Summer, Year 1

- YGST 6040 Buddhism and Yoga 3 semester hours
- YGST 6041 Jaina Yoga 3 semester hours

Fall, Year 2

- YGST 6060 Health Science and Yoga II 3 semester hours
- YGST 6070 Yoga Therapy Applications 3 semester hours
  
- YGST 6050 History of Modern Yoga 3 semester hours or
- YGST 6082 Comparative Mysticism 3 semester hours

Spring, Year 2

- YGST 6080 Yoga Therapy Practicum 3 semester hours

- YGST 6096 Writing and Research Seminar *3 semester hours*

Low Residency M.A. Yoga Studies

Summer, Year 1

(Although held in late summer, this course is listed under "Fall" registration.)

- YGST 6015 Foundations of Yoga Studies *3 semester hours* (This course takes place on the LMU campus. Dates will vary.)

Fall, Year 1

- YGST 6005 Introduction to Sanskrit *3 semester hours*
- YGST 6010 Health Science and Yoga I *3 semester hours*

Spring, Year 1

- YGST 6020 Yoga Philosophy: Text and Practice *3 semester hours*
- YGST 6026 Sanskrit: The Bhagavad Gita *3 semester hours*

Summer, Year 1

- YGST 6040 Buddhism and Yoga *3 semester hours*
- YGST 6041 Jaina Yoga *3 semester hours*

Fall, Year 2

- YGST 6025 Sanskrit: The Yoga Sutra *3 semester hours*
- YGST 6082 Comparative Mysticism *3 semester hours*

Spring, Year 2

- YGST 6030 Hatha Yoga Texts *3 semester hours*
- YGST 6050 History of Modern Yoga *3 semester hours*

Fall, Year 3

- YGST 6096 Writing and Research Seminar *3 semester hours*

LMU College of Business Administration

## **Administration**

Dean: Dayle M. Smith

Associate Deans: Lawrence Kalbers (Faculty and Academic Initiatives)

Assistant Dean: Joseph Andriano (Student Engagement)

Directors: Yongsun Paik (Center for Asian Business and Center for International Business Education); David Choi (Fred Kiesner Center for Entrepreneurship); Dustin Cornwell (Senior Director, MBA and M.S. Programs), Joseph Shannon-O'Hannigan (Senior Director, EMBA Program and Executive Education), Jeff Thies (Institute for Business Ethics and Sustainability), Nola Wanta (Senior Director, Business Development and Strategy)

## Organization

The College is organized into five Departments, each led by a chairperson.

- Department of Accounting
- Department of Finance
- Department of Information Systems and Business Analytics
- Department of Management
- Department of Marketing and Business Law

The College also operates four centers, each led by a director.

- Center for Asian Business
- Center for International Business Education
- Fred Kiesner Center for Entrepreneurship (related courses offered through the Departments)
- Institute for Business Ethics and Sustainability

## Graduate Degree Programs

The College offers the Master of Business Administration in different formats. The part-time MBA addresses the educational demands of a person who recognizes the need to continue to build his or her career.

The Executive MBA (EMBA) is for the experienced business leader who aspires to executive-level responsibility.

The College also offers a Master of Science in Accounting, a Master of Science in Business Analytics, and a Master of Science in Management.

## Baccalaureate Degree Programs

The College offers three Baccalaureate Degrees:

A bachelor of Business Administration (B.B.A.) with majors in Entrepreneurship, Finance, Information Systems and Business Analytics, Management and Leadership, and Marketing; a Bachelor of Science (B.S.) with a major in Information Systems and Business Analytics; and a Bachelor of Science in Accounting (B.S.A.).

## Mission of the College of Business Administration

We advance knowledge and develop business leaders with moral courage and creative confidence to be a force for good in the global community.

## Core Values of the College of Business Administration

Our values define us and enhance an understanding of our mission and vision and the integration of human flourishing in the development of our personal and professional growth. The following five values reflect our core identity and serve as a guide and touchstone for our programs and relationships.

### **Business as a Force for Good**

We dedicate ourselves to developing ethical leaders who visibly demonstrate moral courage in their personal

and professional endeavors. Ethical citizenship encompasses principled behavior and the tenets of corporate social responsibility, including attention to economic, social, and environmental performance. We are committed to business as a force for good, where business has a voice at the table and a key role in collaborating on sustainable development goals for the betterment of the global community.

### **Interconnected Global Community**

We embrace multiple disciplines and community connectedness to inform problems and address challenges in a global context. We value experiential opportunities, collaboration, and partnerships. As a signatory to the United Nation's PRME initiative, we are committed to understanding the role of business as a partner in the global community through the Sustainable Development Goals (SDGs).

### **A Community of Lifelong Learners**

We perceive ourselves—students, faculty, staff, administrators, and stakeholders—as a community of interdependent teachers and learners in the Jesuit and Marymount traditions. As co-creators of knowledge, we envision business as a force for good, best addressed with empathy and an entrepreneurial mindset, skill set, and experiences. As a global community, we will develop a playground for the mind and a place to inspire the imagination that will promote human flourishing and innovative solutions to business and societal challenges.

We are also committed to our alumni as lifetime learners and lifetime members of the CBA Community.

### **Educating the Whole Person and Moral Courage**

Consistent with the education of the whole person, we view each individual as important and worthy of our time and resources. As an institution of higher education, we strive to advance the intellectual growth of our students and related community members. As an institution rooted in the Jesuit and Marymount traditions, we aspire to develop all dimensions of the person—emotional, spiritual, physical, and social—through our educational framework as a way to promote human flourishing at the personal and professional levels.

### **Agility, Creative Confidence, and Entrepreneurial Spirit**

We are committed to educating our students to use their imagination and intellectual curiosity in how they understand business challenges, solve problems in transdisciplinary ways, and adapt to change in a constantly changing world. Using knowledge, skills, abilities, and meaningful experiences, our students will develop and enhance their technical skills, critical thinking, and communication and interpersonal skills to positively transform organizations and societies.

## **College of Business Administration Undergraduate Curriculum**

The courses within the three undergraduate degree programs (Bachelor of Business Administration, Bachelor of Science, and Bachelor of Science in Accounting) are categorized in five groups:

<b>B.B.A.</b>	<b>Semester Hours</b>
A. University Core Curriculum	31 (minimum)
B. Pre-Business Requirements	14
C. Business Core	44
D. Major Requirements	20
E. Electives	22

(approximately)

**Total:** Minimum=128  
**B.S. (ISBA Major) (see Department)**

<b>B.S. in Accounting</b>		<b>Semester Hours</b>
A.	University Core Curriculum	31 (minimum)
B.	Pre-Business Requirements	11
C.	Accounting Major Specific Core	36
D.	Major Requirements	40
E.	Electives	10 (approximately)

**Total** Minimum=128  
**Special Note:**

The purpose of the above listing is simply to indicate the overall structure of the three programs in business. The order in which the courses must be taken is governed in all cases by the contribution of each course to the overall system. The *suggested* sequence of courses is shown in the following curriculum sections of this Bulletin.

**All Business students must earn a grade of C (2.0) or higher in the following courses: BCOR 2110, BCOR 2120; ECON 1050, ECON 2300; and MATH 112, as these are prerequisites for other required business classes. Failure to earn a C in one of courses will prevent the student from taking those other required courses until the course has been repeated and an acceptable grade earned. If not done immediately, this can delay progress toward graduation.**

**Courses may be repeated once without penalty. If a student still has not passed the course, permission must be given by the Associate Dean to take a course for the third time. If a student has not received a passing grade in a required course after have taking it three times, the student will be asked to transfer into a different College. A student may drop a course within the add/drop period without penalty, but a grade of "W" will count toward the total number of times that a student may take the course.**

## **Total Program**

All degree programs require a **minimum** of 128 semester hours for graduation. A **minimum** of 45 semester hours must be from upper division course offerings. Please note that completion of a program may require more than 128 semester hours, depending upon the specific curriculum followed by the individual student. **A student who has completed 128 semester hours, but who has not met all of the specific requirements of the program(s) in which s/he is enrolled, is not eligible for graduation.**

**Please be aware that some LMU courses may ONLY be taken at LMU. That includes certain University Core courses, some Business Core courses, and some courses in certain majors.**

In addition, please note that the University's Residency requirement states that 30 of the final 36 credits must be taken at LMU. Generally, this means that a student may not take more than one or two more courses at an outside institution during the summer preceding or after the final year of that student's program at LMU toward the degree. Exceptions are made for those whose Study Abroad programs overlap those final 36 credits.

## Transfer Credit

The College can accept only those business and pre-business courses which are reasonably equivalent and at the same level of instruction as courses offered by Loyola Marymount University. Lower division courses in business and economics that may be accepted in transfer include the equivalents of the following Loyola Marymount University courses:

- BCOR 2110 Financial Accounting
- BCOR 2120 Accounting Information for Decision Making
- BCOR 2210 Legal Environment of Business
- BCOR 2710 Business Information Technology
- ECON 1050 Introductory Economics
- ECON 2300 Introductory Statistics

The following policies apply to all work transferred to the College of Business Administration at Loyola Marymount University, whether from a two-year or a four-year school:

- Students must obtain Transfer Course Approval *prior* to registration at other institutions.
- Students may not enroll in classes, whether in person or online, offered at other institutions while enrolled at LMU.
- A course that Loyola Marymount University offers at the junior or senior level (courses numbered 3000 or above), but was taken by a transfer student at the sophomore level at another school, cannot be accepted for credit. Such courses can be recognized only if a challenge exam is available and the student takes such an exam after admission to the College.
- All transfer courses must be taken for a letter grade, and the student must receive a grade of C (2.0) or higher.
- Upper division business courses may only be transferred from a four-year, AACSB-accredited institution.
- Upper division Accounting classes may not be transferred to LMU.

## Current LMU Students Interested in Transferring to the College of Business Administration or Adding a Business Major

A change of major into any of the majors in the College of Business Administration requires an application process and acceptance into the major. Students who are undeclared or who are currently enrolled in another undergraduate major at LMU, but are interested in changing to one of the majors offered by the College of Business Administration are encouraged to apply during their first year at LMU. Students may apply to the College as sophomores, but should realize that this could delay the completion of their degrees beyond the normal four years. Students are asked to demonstrate their interest and aptitude in Business Administration by completing MATH 112 or an equivalent course in Calculus with a minimum grade of B (3.0) and ECON 1050, or equivalent courses in both Macroeconomics and Microeconomics, with a minimum grade of B- (2.7). In addition, applicants must have a minimum cumulative GPA of 3.2 to be considered. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request; if there are a large number of requests, the application process may be competitive.

Applications are no longer required for admission to the College. Students may request admission by contacting the Associate Dean's Office. If all requirements have been met, the student will be asked to complete a Change of Program form and given permission to register for the following semester in the new major.

## External Transfer Student Policy

Students interested in transferring to the LMU College of Business Administration from another college or university must complete a course in calculus with a minimum grade of B (3.0) and have a cumulative GPA of B (3.0).

## Majors within the College of Business Administration

The College offers six functional majors at the Undergraduate level:

Accounting

Entrepreneurship

Finance

Information Systems and Business Analytics

Management and Leadership

Marketing

Of particular interest to those Accounting students attempting to complete the 150 hours of coursework required for the CPA, it is possible to earn a B.S. in Accounting, or the B.S. in Information Systems and Business Analytics, in conjunction with a B.B.A. in one of the other business majors (Accounting and Finance is probably the most popular of these) by completing an additional 30 credits beyond those required by the first degree. This is considered a dual degree, not a double major.

The CBA also offers an Undeclared Business major to first- and second-year students at LMU. The Undeclared major is NOT a full major, and no degree is offered in Undeclared Business. Therefore, all students MUST switch from Undeclared Business into one of the functional majors prior to completing 64 credits of college-level work.

**Double Business Majors:** Students beginning at LMU in Fall 2019 and beyond have the option of declaring double majors within the CBA. University policy states that in order to earn a degree with a double major, students must complete all of the requirements of each major, and that "double-counting" of courses is not permitted except where the same specific course is required by both majors (e.g., for a student wishing to major in ENTR and MRKT, both majors require that the student take BCOR 3610, and the student will not need to take it twice; however, there are electives which are cross-listed between ENTR and MRKT, and those courses may only count toward one, not both, of the majors). In general, completing a double major will involve the completion of about five additional courses, or 20 credits, beyond the first major; however, there are a few majors for which there is less overlap or more specific requirements (the BSA in Accounting and BS in AIMS, for example), which will require more coursework.

Students planning to complete a double major should declare it and begin coursework on the second major when they have at least three full semesters remaining before their planned graduation date. Each major has a sequenced curriculum which assumes a minimum of three semesters of enrollment, and a "major" assumes that you spent a good portion of your college education, and not just a single semester, studying that subject matter. A student declaring a second major within CBA will be assigned a secondary faculty advisor for the second major once the student completes the number of credits at which faculty advisors are assigned.

It should be noted that students completing a double major will see the following wording on their diplomas: "A major in (first major), with a second major in (second major)."

# Minors within the College of Business Administration

## Business Administration Minor

Eligibility: *The Business Administration Minor is designed for and offered to students with non-business majors only.* The requirements for the Minor in Business Administration are the following:

The student must complete a minimum of 18 semester hours in Business courses, including:

- BCOR 1910 Business for Good 2 semester hours
- BCOR 2110 Financial Accounting 4 semester hours
- 3 Upper Division Business Courses 12 semester hours

**Total: 18 semester hours**

Courses counting toward the Business Minor may not be taken outside of LMU. A single exception may be made for Study Abroad courses.

Due to high demand, students must apply to, and be accepted into, the Business Administration Minor. Applications will be available online during the first six weeks of each semester, for admission to the Minor during the following semester.

Prerequisites for admission to the minor shall be completion of Math 112, 120, 122, or 131 with a grade of C (2.0) or higher, or a Dean's exception. Students must complete BCOR 1910 and ACCT 2110 with a grade of C (2.0) or higher before they will be allowed to enroll in any elective classes for the minor. Students must have a cumulative GPA for all minor courses of a 2.5 or higher. We will no longer require an assessment test on the foundational courses, as those courses are no longer taught. Once the minor requirements have been met, students will not be permitted to take any more classes in the CBA without the approval of the Assistant Dean for Student Engagement.

Structure: A minimum cumulative GPA of 2.5 is required in the minor for graduation.

Students are advised to apply to the minor during the sophomore or junior year in order to complete all coursework (some of which is sequential) by graduation. Students planning to study abroad may be deferred for a semester, but will need to plan accordingly.

## Accounting Minor

Eligibility: The Accounting Minor is open to **Business Administration majors ONLY**. The requirements for the Accounting Minor are the following: BCOR 2110, BCOR 2120, and at least three of the following courses: ACCT 3110, ACCT 3120, ACCT 3130, ACCT 3140, and ACCT 4120. All upper division Accounting courses must be taken in residence at LMU. A minimum cumulative GPA of 2.5 must be earned in the Minor area.

## Beta Gamma Sigma Honor Society

Beta Gamma Sigma is the honor society for students enrolled in business and management programs accredited by AACSB International-the Association to Advance Collegiate Schools of Business. Election to lifetime membership in Beta Gamma Sigma is the highest honor a business student can achieve. Juniors and seniors in the top 10% and MBA students in the top 20% of their class by GPA may be invited to membership, and membership is by invitation only. Beta Gamma Sigma membership provides recognition

for a lifetime. With alumni chapters in major metropolitan areas across the United States, the BGS Career Central job board and the BetaLink online membership community, those recognized for their academic achievements at Loyola Marymount University can continue an active relationship with Beta Gamma Sigma long after graduation. This lifelong commitment to its members' academic and professional success is defined in the Society's mission: to encourage and honor academic achievement in the study of business and personal and professional excellence in the practice of business.

## **Accounting**

### **Faculty**

Chairperson: Laurel Franzen

Professors: Lawrence Kalbers (R. Chad Dreier Chair in Accounting Ethics), Mahmoud M. Nourayi

Associate Professors: Laurel Franzen, Timothy Haight, Rosemary Kim (Paul A. Grosch Professor)

Assistant Professors: Tyler DeGroot, Zining Li, James Plečnik, Shan Wang

Clinical Associate Professor: Nancy Coster

Clinical Assistant Professors: Anthony Menendez, Richard Minot, Terry Wang

### **Bachelors**

#### **Accounting, B.S.A.**

##### Objectives

The Bachelor of Science in Accounting degree program is designed to prepare ethical leaders for the accounting profession. The accounting curriculum will prepare students for a career in public, corporate, and governmental accounting. Students will learn the basic definitions, concepts, and techniques of accounting, as well as the role accounting plays in society.

##### Goal

Students are expected to be able to describe, apply, and evaluate accounting concepts and standards at a professional level.

##### Learning Outcomes

- Students will be able to prepare and analyze financial statements
- Students will be able to identify relevant authoritative guidance to apply appropriate professional judgments
- Students will be able to integrate financial accounting reporting with managerial accounting methods to produce data for use in real-world business decisions
- Students will be able to explain, apply, and evaluate relevant topics related to federal income tax
- Students will be able to explain and apply an ethical conceptual framework to address real-world ethical problems.

##### Major Requirements

Lower Division Business Core Requirements:

- BCOR 1910 Business for Good 2 *semester hours*
- BCOR 2110 Financial Accounting 4 *semester hours*
- BCOR 2120 Accounting Information for Decision Making 4 *semester hours*
- BCOR 2210 Legal Environment of Business 2 *semester hours*
- ECON 1050 Introductory Economics 4 *semester hours*
- ECON 2300 Introductory Statistics 4 *semester hours*
- MATH 112 Calculus for Business 3 *semester hours*

#### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance 4 *semester hours*
- BCOR 3510 Marketing and Business Communications 4 *semester hours*
- BCOR 3610 Managing People and Organizations 4 *semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750)
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860)
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970)

#### Upper Division Major Requirements

- ACCT 3110 Intermediate Accounting I 4 *semester hours*
- ACCT 3120 Intermediate Accounting II 4 *semester hours*
- ACCT 3130 Cost Management 4 *semester hours*
- ACCT 3140 Accounting Information Systems 4 *semester hours*
- ACCT 4110 Advanced Accounting 4 *semester hours*
- ACCT 4120 Federal Income Taxation 4 *semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest 4 *semester hours*
- ACCT 4160 Auditing 4 *semester hours*

#### Note:

All upper division accounting courses must be taken in residence at LMU. A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

#### Core, Major, and Elective Accounting Courses:

- BCOR 2110 Financial Accounting 4 *semester hours*
- BCOR 2120 Accounting Information for Decision Making 4 *semester hours*
- ACCT 3110 Intermediate Accounting I 4 *semester hours*
- ACCT 3120 Intermediate Accounting II 4 *semester hours*
- ACCT 3130 Cost Management 4 *semester hours*
- ACCT 3140 Accounting Information Systems 4 *semester hours*
- ACCT 4110 Advanced Accounting 4 *semester hours*
- ACCT 4120 Federal Income Taxation 4 *semester hours*
- ACCT 4130 Financial Statements Analysis 4 *semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest 4 *semester hours*
- ACCT 4160 Auditing 4 *semester hours*
- ACCT 4180 Fraud Examination 3 *semester hours*
- ACCT 4198 Special Studies 1 TO 4 *semester hours*
- ACCT 4199 Independent Studies 1 TO 3 *semester hours*

## Note:

For purposes of meeting the requirements for the B.S.A. degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in the following required Accounting major courses: ACCT 3110, ACCT 3120, ACCT 3130, ACCT 3140, ACCT 4110, ACCT 4120, ACCT 4150, and ACCT 4160. In addition, for purposes of meeting the requirements for the B.S.A. degree, a grade of C (2.0) or higher must be achieved in the following required Account major courses: ACCT 3110, ACCT 3120, ACCT 3130, and ACCT 3140.

## Accounting Model Four-Year Plan

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.S.A. degree. All 3000- and 4000-level accounting courses must be taken in residence at Loyola Marymount University.

### Freshman Year

#### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours* (if necessary)
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

#### Spring Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

### Sophomore Year

#### Fall Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *4 semester hours*
- University Core *3-4 semester hours*
- Elective *4 semester hours*

Total: 17-18 semester hours

#### Spring Semester

- ACCT 3110 Intermediate Accounting I *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*

- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

Junior Year

Fall Semester

- ACCT 3120 Intermediate Accounting II *4 semester hours*
- ACCT 3140 Accounting Information Systems *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*

Total: 16 semester hours

Spring Semester

- ACCT 3130 Cost Management *4 semester hours*
- ACCT 4110 Advanced Accounting *4 semester hours*
- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

Senior Year

Fall Semester

- ACCT 4120 Federal Income Taxation *4 semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

Spring Semester

- ACCT 4160 Auditing *4 semester hours*
- BCOR 4970 Strategic Management *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

Academic Plan

Effective January 1, 2014, accounting students in the state of California are required to have 150 credit hours for CPA licensure. The California Board of Accountancy currently allows candidates to sit for the CPA exam upon completion of their undergraduate degree; however, candidates will need an additional 30 credit hours of accounting courses to be eligible for CPA licensure. (LMU's B.S. in Accounting degree requires 128 credit hours.) Accounting majors are encouraged, but not required, to include 150 semester hours of study in their academic planning process. Their plan might include undertaking minors and/or an additional major/degree

or pursuing Master of Science in Accounting at LMU or other acceptable graduate programs. Students are encouraged to discuss with the Accounting Department Chair and/or their academic advisor various possible tracks to earn the 150 semester hours. The 150 semester hours of study is now required to practice public accounting in most states. The LMU Accounting program has made no determination as to whether meeting California's licensure requirements is sufficient for licensure in other states. If you wish to become licensed in a state other than California, you will need to check with the Board of Accountancy in the state, as licensure requirements differ.

## **Masters**

### **Accounting, M.S.A.**

#### Program Overview

The Master of Science in Accounting (MSA) program is designed for individuals who are looking to obtain a CPA license or increase their professional growth opportunities. The objective of the program is to provide students with the technical knowledge as well as the analytical thinking and communication skills required for leadership positions in public and corporate accounting, management consulting, government, and not-for-profit organizations. The MSA core curriculum covers accounting research, financial accounting theory, advanced auditing topics, tax strategies, and accounting data analytics. Students may choose to take elective courses that develop additional depth and expertise in taxation or data analytics.

When combined with program prerequisites, the MSA program complies with the 150-hour California requirement for CPA licensure. The program has made no determination as to whether meeting California's licensure requirements is sufficient for licensure in other states.

#### Learning Outcomes

Specific learning objectives include:

- Graduates will possess the knowledge and skills to apply key accounting concepts in a relevant setting.
- Graduates will be able to incorporate ethical reasoning, social responsibility, and sustainability in making business and personal decisions.
- Graduates will possess critical thinking skills and the ability to integrate relevant concepts.
- Graduates will have the ability to communicate effectively.
- Graduates will demonstrate effective research skills to appropriately resolve complex accounting, auditing, and taxation issues.

#### Program Prerequisites

- A bachelor's degree, or the international equivalent to a U.S. bachelor's degree, in any discipline from an accredited institution
- A minimum of 18 semester hours of accounting subjects which must include:
  - Financial accounting
  - Cost or managerial accounting
  - Accounting or management information systems
  - Intermediate accounting\*
  - Taxation\*
  - Auditing\*

- A minimum of 24 semester hours in business related subjects as specified in the Educational Requirements for CPA Licensure by the California Board of Accountancy
- A minimum of seven semester hours of ethics study as specified in the Educational Requirements for CPA Licensure by the California Board of Accountancy (\*)

\*May be completed at LMU as additional semester hours required for the MSA.

### Major Requirements

The MSA program requires a minimum of 30 semester hours. Students may start the program in the Fall or Spring semester. The program may be completed on a full-time or part-time basis. The full-time program may be completed in nine months, which begins in the Fall semester and is completed at the end of the following Spring semester. Completing the program in nine months requires a minimum of 15 semester hours in the Fall and Spring semesters. Part-time students must complete the MSA program within five years of their first registration date. All academic requirements must be completed in residence.

The specific degree requirements for the MSA program include:

1. Students must complete a minimum of 30 semester hours of graduate coursework approved by the MSA director. This includes 15 semester hours of required MSA core courses.
2. Students who have not completed a 3-semester-hour course in accounting ethics or professional responsibilities must complete ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest as an elective course.
3. Up to six semester hours of graduate study may be elected from the Master of Business Administration (MBA) or Master of Science in Business Analytics (MSBA) courses to the extent room is available and the student has completed any prerequisite courses. The MSA director must approve these courses. MBA core courses are not permitted.

### Required MSA Core Courses (15 semester hours)

- ACCT 6110 Financial Reporting - Standard Setting Process and Financial Accounting Theory 3 *semester hours*
- ACCT 6120 Taxes and Business Strategy 3 *semester hours*
- ACCT 6130 Accounting Information, Analysis, and Evaluation 3 *semester hours*
- ACCT 6160 Advanced Auditing 3 *semester hours*
- ACCT 6170 Professional Accounting Research 3 *semester hours*

### Elective Courses

#### Accounting Electives (9-15 semester hours)

- ACCT 5110 Advanced Accounting Topics 3 *semester hours*
- ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest 3 *semester hours*
- ACCT 5180 Fraud Examination 3 *semester hours*
- ACCT 6112 Accounting and Finance Concepts for Strategic Planning 3 *semester hours*
- ACCT 6114 The CFO Perspective 3 *semester hours*
- ACCT 6122 Income Taxation of Corporations and Shareholders 3 *semester hours*
- ACCT 6124 Taxation of Flow-Through Entities 3 *semester hours*
- ACCT 6126 International Taxation 3 *semester hours*
- ACCT 6197 Internship Experience 1 TO 3 *semester hours*
- ACCT 6198 Special Studies 1 TO 3 *semester hours*

- ACCT 6199 Independent Studies 1 TO 3 semester hours

#### Business Electives (0-6 semester hours)

Students may select any MBA or MSBA courses to the extent room is available and the student has completed any prerequisite courses. The MSA director must approve these courses. MBA core courses are not permitted.

#### 4+1 Master of Science in Accounting Program for LMU Students

##### Background

The 4+1 Master of Science in Accounting (MSA) Program is designed for undergraduate LMU students who wish to complete the M.S. in Accounting degree one year after completing the bachelor's degree. This will allow students to meet the 150-unit requirement for CPA licensure while earning a B.S.A. and M.S.A. in Accounting. Students admitted to the 4+1 MSA program may take two of the three MSA courses (6 semester hours) listed below in their senior year (included in undergraduate tuition) that will count toward both the bachelor's degree and the MSA degree.

- ACCT 5110 Advanced Accounting Topics (substitutes for ACCT 4110 for accounting majors)
- ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest (substitutes for ACCT 4150 for accounting majors)
- ACCT 5180 Fraud Examination (counts as an undergraduate elective)

Accepted students should contact the director of the M.S. in Accounting program for advice for scheduling classes in the senior year and the fifth year. Other business majors may be eligible for the 4+1 and should consult with the director of the M.S. in Accounting to determine eligibility and undergraduate courses needed.

#### Admissions Criteria for the 4+1 Master of Science in Accounting Program for LMU Students

Undergraduate LMU accounting majors and other eligible business majors may apply to the Accelerated (4+1) BSA/MSA in Accounting Program after they reach junior standing and have completed 75 semester hours or more of undergraduate coursework with a GPA of at least 3.0 overall and in accounting courses taken to date. The application includes:

- Personal statement (1-2 pages)
- Current resume

## Minor

### Accounting Minor

#### Accounting Minor Requirements

- ACCT 3110 Intermediate Accounting I 4 semester hours
- BCOR 2110 Financial Accounting 4 semester hours
- BCOR 2120 Accounting Information for Decision Making 4 semester hours

At least two of the following courses:

- ACCT 3120 Intermediate Accounting II 4 semester hours
- ACCT 3130 Cost Management 4 semester hours

- ACCT 3140 Accounting Information Systems *4 semester hours*
- ACCT 4120 Federal Income Taxation *4 semester hours*

Note:

All upper division Accounting courses must be taken in residence. A minimum cumulative GPA of 2.5 must be earned in the minor area. All minor required courses must be completed in residence. Open to **Business Administration majors only**.

## Finance

### Faculty

Chairperson: Susan Elkinawy

Professors: Dennis Draper, Susan Elkinawy, Chun I. Lee, Micah Officer

Associate Professors: Charles J. Higgins, David Offenber, Joshua D. Spizman

Assistant Professors: David Moore, Hai Tran, Yan Zhang

### Bachelors

### Finance, B.B.A.

Note

The undergraduate Finance curriculum was revised effective Fall 2017. If a student who matriculated before Fall 2017 takes BCOR 3410 instead of FNCE 3400, he or she will not be able to switch graduation requirements from the pre-revision requirements to the post-revision requirements. If a student who matriculated before Fall 2017 takes FNCE 3400, he or she will be able to switch to the new requirements. Students graduating after May 2020 will be required to have completed the new requirements (unless, in special circumstances, permission has been granted by the Department Chair and Associate Dean).

Objectives

The Bachelor of Business Administration degree--Finance (FNCE) major provides students with the necessary skills to succeed in their first finance job upon graduation from LMU. Students will develop applied financial modeling skills based in theory, contracts, and the current tools essential to corporate finance, banking, and investments.

Learning Outcomes

Learning outcomes for Finance majors are as follows:

LMU Finance graduates:

1. Apply the principles and techniques of time value of money to value an investment
2. Explain the impact of a firm's capital structure on its risk and firm value
3. Construct rigorous financial models for decision making
4. Translate contracts, laws, annual reports, and other legal documents into financial models
5. Make sound investment decisions
6. Calculate and interpret investment performance measurements.

## Major Requirements

### Lower Division Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

### Upper Division Requirements:

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*
- FNCE 3400 Fundamentals of Corporate Finance *4 semester hours*

### Notes:

Students are required to enroll in FNCE 1401 by the fall of the sophomore year if possible. Transfer students should enroll in FNCE 1401 as soon as possible. The course meets four times for two hours per meeting over the course of the semester, and students will receive Credit/No Credit upon completion of the course. A student must earn credit for FNCE 1401 in order to graduate. FNCE 1401 is a zero-semester-hour, zero-cost course.

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and math courses).

For purposes of meeting the requirements for the B.B.A., Finance major, a minimum grade of a C must be earned in each of FNCE 3400, FNCE 3415, and FNCE 3420. If a student is unable to attain a C in each of FNCE 3400, FNCE 3415, and FNCE 3420 after two attempts, that student will not be allowed to continue in the Finance major.

### Core, Major, and Elective Finance Courses:

- FNCE 1401 Planning for a Career in Finance *0 semester hours*
- FNCE 3400 Fundamentals of Corporate Finance *4 semester hours*
- FNCE 3415 Valuation and Financial Modeling *4 semester hours*
- FNCE 3420 Investments *4 semester hours*
- FNCE 3440 Mergers and Acquisitions *4 semester hours*
- FNCE 3456 Entertainment Finance *4 semester hours*

- FNCE 3497 Internship *1 semester hours*
- FNCE 4410 Entrepreneurial Finance *3 semester hours*
- FNCE 4420 Real Estate Finance, Investment, and Entrepreneurship *4 semester hours*
- FNCE 4430 Capital Markets *4 semester hours*
- FNCE 4440 Financial Modeling and Analytics *4 semester hours*
- FNCE 4480 International Finance *4 semester hours*
- FNCE 4491 Student Investment Fund: Security Analysis *4 semester hours*
- FNCE 4492 Student Investment Fund: Portfolio Management *4 semester hours*
- FNCE 4493 Student Investment Fund: Investment Research Lab *2 semester hours*
- FNCE 4498 Special Studies *1 TO 4 semester hours*
- FNCE 4499 Independent Studies *1 TO 4 semester hours*

#### Note

Students with a major in Finance are required to complete at least five courses in the finance area including the three required classes, FNCE 3400 Fundamentals of Corporate Finance, FNCE 3415 Valuation and Financial Modeling, and FNCE 3420 Investments. Two additional courses carrying a minimum of three semester hours each must be chosen from the list above.

To fulfill their open electives, students are encouraged to take additional finance courses; additional accounting courses, such as ACCT 3110 Intermediate Accounting I; additional economics courses, such as ECON 3300 Econometrics; computer programming courses, such as CMSI 185 Computer Programming or CMSI 284 Computer Systems Organization; or additional mathematics courses.

#### Student Investment Fund (SIF):

Students enrolled in the SIF are permitted to take FNCE 4491, FNCE 4492, and FNCE 4493 (required for the SIF specialty). FNCE 4491 and FNCE 4492 may be taken in lieu of FNCE 3420 and fulfill one upper division FNCE elective. Students who take FNCE 4491, FNCE 4492, and FNCE 3420 will only fulfill one upper division FNCE elective and therefore will need a total of six finance courses not including FNCE 4493.

#### Model 4-Year Plan--Bachelor of Business Administration--Finance Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Finance major) degree.

#### Freshman Year

##### Fall Semester

- FNCE 1401 Planning for a Career in Finance *0 semester hours*
- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*

- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 18-19 semester hours

Sophomore Year

Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- FNCE 3400 Fundamentals of Corporate Finance *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

Junior Year

Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- FNCE 3415 Valuation and Financial Modeling *4 semester hours*
- Elective *4 semester hours*

Total: 15-16 semester hours

Spring Semester

- FNCE 3420 Investments *4 semester hours*
- FNCE Elective *4 semester hours*
- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*

Total: 16 semester hours

Senior Year

Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- FNCE Elective *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- FNCE Elective *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## **Information Systems and Business Analytics**

### **Faculty**

Chairperson: Kala Chand Seal

Professors: Robbie Nakatsu, Richard J. Perle, Zbigniew H. Przasnyski, Kala Chand Seal

Associate Professor: Linda A. Leon

Assistant Professors: Arindam Brahma, Mostafa Mesgari, Ying Sai, Youyou Tao, Au Vo, Nohel Zaman

Clinical Professor: Gregory Lontok

### **Bachelors**

#### **Information Systems and Business Analytics (ISBA), B.S.**

Objectives

The Bachelor of Science (B.S.) degree in Information Systems and Business Analytics (ISBA) is designed to prepare students for careers in the Information Systems and Business Analytics fields and provide students opportunities to develop analytic skills and learn how to apply latest information technology tools to solve business problems at the operational, technical, and strategic levels. Students will acquire foundational programming skills, learn to use various development tools, and acquire critical data management skills and competencies. They will understand how organizational processes interact with IS/IT and learn how to design systems and analytic tools to support these processes. The major will provide students critical skills necessary to continuously adapt to the ever-changing field of IT and business applications. The ISBA B.S. degree aims to provide more technical depth in programming area to the students pursuing the degree compared to the students in the regular ISBA B.B.A. major. Additionally, current methods and tools deployed in the analytics area demand understanding of the mathematics behind those tools for their effective learning and deployment. Students in the ISBA B.S. degree program, therefore, need to take non-business courses from the Computer Science department and a possible Deep Learning or Machine Learning course

from the Mathematics department in the Frank R. Seaver College of Engineering to acquire such depth.

## Learning Outcomes

Learning outcomes for ISBA majors pursuing a B.S. degree are as follows:

LMU Information Systems and Business Analytics graduates will be able to:

1. Utilize competencies gained from hands-on experience in core information technologies that include programming languages, database management systems, web development tools, spreadsheets, and other data analysis tools
2. Identify, structure, and solve business problems by proposing an IS, IT, and/or analytics solution
3. Plan, manage, develop, and describe how to implement information systems in business and organizational settings
4. Apply critical thinking and problem-solving skills when analyzing business problems
5. Effectively communicate complex technological and or analytical concepts through oral, visual, and written communication
6. Develop proficiency in one mainstream programming language, such as Java, JavaScript, C++, or Python

Core, Major, and Elective Information Systems and Business Analytics Courses (B.S. degree):

Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750)
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860)
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970)

Note:

Students electing the B.S. in ISBA degree must complete all the requirements of the Information Systems and Business Analytics (ISBA), B.B.A. degree. In addition, students pursuing a B.S. in ISBA must take at least four Computer Science courses or three Computer Science courses and a Mathematics course on Deep Learning/Machine Learning. The combination of courses must include at least one programming course such as CMSI 185 Computer Programming. CMSI 186 Programming Laboratory is also highly recommended, but not required. Since the B.S. ISBA major will be fulfilling the programming requirement though the courses

in the Computer Science department, students must take **three additional** 4-semester-hour ISBA electives in addition to the required ISBA 3710 and ISBA 4797.

#### ISBA Major Course Requirements

- ISBA 3710 Database Management Systems *4 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*

AND three 4-semester-hour courses from the following list of ISBA electives:

- ISBA 3720 Systems Analysis and Design *4 semester hours*
- ISBA 3730 Programming for Business Applications *4 semester hours*
- ISBA 3797 Internship *1 semester hours*
- ISBA 4715 Developing Business Applications Using SQL *4 semester hours*
- ISBA 4740 Financial Modeling and Analytics *4 semester hours*
- ISBA 4750 Business Web and App Development *4 semester hours*
- ISBA 4755 Introduction to Big Data *4 semester hours*
- ISBA 4790 Machine Learning *4 semester hours*
- ISBA 4796 Capstone Proposal Development *1 semester hours*
- ISBA 4798 Special Studies *1 TO 4 semester hours*
- ISBA 4799 Independent Studies *1 TO 4 semester hours*

Note:

A cumulative GPA of C (2.0) must be achieved in the core requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the Information Systems and Business Analytics major, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

#### Model 4-Year Plan--Bachelor of Science--Information Systems and Business Analytics Major Curriculum

The following curriculum represents the order of sequence in which it is expected that students will take the various courses required for the B.S. (Information Systems and Business Analytics major) degree.

#### ISBA (B.S.) Sample Schedule

##### Freshman Year

##### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

- University Core 3-4 semester hours
- University Core 4 semester hours

Total: 15-16 semester hours

#### Sophomore Year

##### Fall Semester

- BCOR 2110 Financial Accounting 4 semester hours
- BCOR 2210 Legal Environment of Business 2 semester hours
- CMSI 185 Computer Programming 3 semester hours
- University Core 3-4 semester hours
- University Core 4 semester hours

Total: 16-17 semester hours

##### Spring Semester

- BCOR 2120 Accounting Information for Decision Making 4 semester hours
- BCOR 2710 Business Information Technology 4 semester hours
- BCOR 3410 Fundamentals of Finance 4 semester hours
- CMSI 186 Programming Laboratory 3 semester hours

Total: 15 semester hours

#### Junior Year

##### Fall Semester

- BCOR 3510 Marketing and Business Communications 4 semester hours
- BCOR 3610 Managing People and Organizations 4 semester hours
- ISBA 3710 Database Management Systems 4 semester hours
- ISBA Elective 4 semester hours

Total: 16 semester hours

##### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics 4 semester hours
- BCOR 3860 International Business 4 semester hours
- ISBA Elective 4 semester hours
- CMSI/MATH Elective 3-4 semester hours

Total: 15-16 semester hours

#### Senior Year

##### Fall Semester

- BCOR 4910 Business Ethics and Sustainability 4 semester hours
- ISBA Elective 4 semester hours
- CMSI/MATH Elective 3-4 semester hours

- University Core 4 semester hours

Total: 15-16 semester hours

Spring Semester

- BCOR 4970 Strategic Management 4 semester hours
- ISBA 4797 Capstone Project 4 semester hours
- University Core 4 semester hours
- Elective 3-4 semester hours

Total: 15-16 semester hours

Note:

Electives and some University Core courses may vary in terms of the number of credits granted. The total number of semester hours required is 128 for graduation, which assumes that each course will be 4 semester hours. If less, compensatory credits may be required to reach 128.

## **Information Systems and Business Analytics (ISBA), B.B.A.**

Objectives

The Bachelor of Business Administration (B.B.A.) degree in Information Systems and Business Analytics (ISBA) is designed to prepare students for careers in the Information Systems and Business Analytics fields and provide students opportunities to develop analytics skills and learn how to apply latest information technology tools to solve business problems at the operational, technical, and strategic levels. Students will acquire foundational programming skills, learn to use various development tools, and acquire critical data management skills and competencies. They will understand how organizational processes interact with IS/IT and learn how to design systems and analytic tools to support these processes. The major will provide students critical skills necessary to foster innovation as well as continuously adapt to the ever-changing field of IT and business applications.

Learning Outcomes

Learning outcomes for ISBA majors are as follows:

1. Utilize competencies gained from hands-on experience in core information technologies that include programming languages, database management systems, web development tools, spreadsheets, and other data analysis and visualization tools.
2. Identify, structure, and solve business problems by proposing an IS, IT and/or data analytics solution
3. Plan, manage, develop, and describe how to implement IT and/or data analytics-based IS solutions in business and organizational settings
4. Apply critical thinking and problem-solving skills when analyzing business problems
5. Effectively communicate complex technological and/or analytical concepts through oral, visual, and written communication

Core, Major, and Elective Information Systems and Business Analytics Courses:

Lower Division Business Core Requirements:

- BCOR 1910 Business for Good 2 semester hours
- BCOR 2110 Financial Accounting 4 semester hours

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

#### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750)
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860)
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970)

#### Note:

All majors in ISBA must complete BCOR 2710 before they can start taking the upper division ISBA courses. Students with a B.B.A. in ISBA are required to complete five 4-semester-hour courses (for a total of 20 semester hours) in the ISBA area including two required classes: ISBA 3710 Database Management Systems and ISBA 4797 Capstone Project. Students must also fulfill a programming requirement by completing either ISBA 3730 Programming for Business Applications or CMSI 185 Computer Programming. If students take ISBA 3730, then they only need to take two additional 4-semester-hour ISBA electives. If they take CMSI 185, then they need to take three additional 4-semester-hour ISBA electives.

#### ISBA Major Course Requirements

- ISBA 3710 Database Management Systems *4 semester hours*
- Course that can fulfill the Programming Requirements:  
ISBA 3730 Programming for Business Applications *4 semester hours* or  
CMSI 185 Computer Programming *3 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*

#### Note:

Additionally, students need to choose **two** 4-semester-hour courses if they took ISBA 3730 (or **three** 4-semester-hour ISBA courses if programming requirement is satisfied by CMSI 185) from the following list of ISBA electives:

- ISBA 3720 Systems Analysis and Design *4 semester hours*
- ISBA 3730 Programming for Business Applications *4 semester hours*
- ISBA 3797 Internship *1 semester hours*
- ISBA 4715 Developing Business Applications Using SQL *4 semester hours*
- ISBA 4740 Financial Modeling and Analytics *4 semester hours*
- ISBA 4750 Business Web and App Development *4 semester hours*
- ISBA 4755 Introduction to Big Data *4 semester hours*

- ISBA 4790 Machine Learning *4 semester hours*
- ISBA 4796 Capstone Proposal Development *1 semester hours*
- ISBA 4798 Special Studies *1 TO 4 semester hours*
- ISBA 4799 Independent Studies *1 TO 4 semester hours*

Note:

A cumulative GPA of C (2.0) must be achieved in the core requirements (all business, economics, and math courses).

For purposes of meeting the requirements for the Information Systems and Business Analytics major curriculum, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

#### Model 4-Year Plan--Bachelor of Business Administration--Information Systems and Business Analytics Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Information Systems and Business Analytics major) degree.

#### ISBA (B.B.A) Sample Schedule

##### Freshman Year

##### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 14-16 semester hours

##### Sophomore Year

##### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 16-18 semester hours

#### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

#### Junior Year

##### Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- ISBA 3710 Database Management Systems *4 semester hours*
- ISBA 3730 Programming for Business Applications *4 semester hours*

Total: 16 semester hours

##### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- ISBA Elective *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

#### Senior Year

##### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- ISBA Elective *4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

##### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

Note:

Electives and some University Core courses may vary in terms of the number of credits granted. The total number of semester hours required is 128 for graduation, which assume that each course will be 4 semester hours. If less, compensatory credits may be required to reach 128.

## **Masters**

### **Business Analytics, M.S.**

#### Program Overview

The objective of the Master of Science in Business Analytics (MSBA) program is to provide students with the knowledge, tools, and skills needed to analyze data and make effective business decisions. Students will be educated in all areas related to business analytics and big data analysis including, but not limited to, data management, visualization, data-mining, machine learning, and integration strategies for analyzing large, structured and unstructured datasets. The program includes a summer capstone project built around student teams with faculty advisors, which will develop business analytics solutions for problems hosted by live business clients. The capstone experience has been designed so students can develop their problem-framing, teamwork, project management, and communication skills for managing business analytics projects in an organization.

#### Learning Outcomes

- Graduates will possess the business foundation necessary to apply business analytic concepts in organizational settings.
- Graduates will be able to create and manage analytics ready data.
- Graduates will demonstrate statistical and programming skills required to analyze data.
- Graduates will be able to select and apply appropriate data modeling tools to provide insight for the analysis of business situations.
- Graduates will be able to clearly explain information and insight gained from analytic models in a business context.

#### Major Requirements

The Master of Science in Business Analytics (MSBA) is a face-to-face program that starts in the Fall semester and finishes in August. The program can be completed in one year full-time or in two years part-time. The program requires a minimum of 30 semester hours. All academic requirements must be completed in residence. The MSBA has been designed for people with a statistics/quantitative background, such as engineering, science, computer science, economics, and/or business. Business work experience is not required for this program. Students with an undergraduate business background may waive up to 6 semester hours associated with the two required business foundation core courses.

The specific degree requirements include:

1. 18 to 24 semester hours of core BSAN graduate courses, depending on student's business background
2. Completion of 4 BSAN courses associated with the Capstone Project Experience (6 semester hours)
3. A minimum of 6 semester hours in BSAN analytics course electives beyond core classes. Electives are offered to support more depth in three possible pathways in the areas of either marketing analytics, healthcare analytics, or general data analytics.

Required Core Classes (18-24 semester hours)

- BSAN 6010 Fundamentals of Business - Accounting, Finance & Operations *3 semester hours*
- BSAN 6020 Marketing for Managers *3 semester hours*
- BSAN 6030 Programming for Data Management *3 semester hours*
- BSAN 6040 Data, Models and Decisions for Analytics *3 semester hours*
- BSAN 6050 Customer Relationship Management Analytics *3 semester hours*
- BSAN 6060 Data Management for Business Intelligence *3 semester hours*
- BSAN 6070 Introduction to Machine Learning *3 semester hours*
- BSAN 6080 Strategic Analytics Integration *3 semester hours*

#### Required Capstone Classes (6 semester hours)

- BSAN 6088 Statistics Bootcamp and Capstone Project Preparation I *0 semester hours*
- BSAN 6089 Capstone Project Preparation II: Research Design, Project Management, and People Dynamics *0 semester hours*
- BSAN 6090 Capstone Project I *3 semester hours*
- BSAN 6095 Capstone Project II *3 semester hours*

#### Elective Courses (at least 6 semester hours)

- BSAN 6100 Data Visualization and Geographic Information Systems *3 semester hours*
- BSAN 6200 Text-Mining and Social Media Analytics *3 semester hours*
- BSAN 6300 Marketing Analytics *3 semester hours*
- BSAN 6400 Healthcare Analytics *3 semester hours*

#### Admissions Criteria for the Master of Science in Business Analytics Program

- Online Application: <https://graduate.lmu.edu/apply>
- Completion of a bachelor's degree from an accredited U.S. institution or the equivalent of a U.S. bachelor's degree from a foreign institution
- Undergraduate grade point average over 3.0
- Completion of a college statistics course in last six years with a grade of B or better
- \$50 non-refundable application fee
- Official GMAT or GRE score
- Transcripts from all colleges or universities attended
- International applicants should submit TOEFL or IELTS scores (waived for applicants who have completed a degree in the United States)
- Personal statement
- Resume
- Two letters of recommendation

#### 4+1 Master of Science in Business Analytics Program

##### Background

The 4+1 Master of Science in Business Analytics (MSBA) Program is designed for undergraduate LMU students who wish to complete the M.S. in Business Analytics degree one year after completing the bachelor's degree. Students admitted to the 4+1 MSBA program will take up to two MSBA courses (6 semester hours) in their senior year (included in undergraduate tuition) that will count toward both the bachelor's degree and the MSBA degree. Accepted students should contact the Graduate Business Programs office for advice for scheduling classes in the senior year and the fifth year.

#### Admissions Criteria for the 4+1 Master of Science in Management Program

Undergraduate LMU majors may apply to the Accelerated (4+1) Bachelor's/MS in Business Analytics Program after they reach junior standing and have completed 75 semester hours or more of undergraduate coursework with an overall GPA of at least 3.0 for courses taken to date. Applicants must complete an undergraduate statistics course, earning a B or higher, before taking courses in the MSBA. The application will include:

- Personal statement (1-2 pages)
- Current resume
- Two academic and/or professional recommendations
- A minimum GPA of 3.2 to waive the GMAT/GRE requirement (students with a GPA below 3.2 may apply if they submit GMAT or GRE results)

## **Management**

### **Faculty**

Chairperson: Anatoly Zhuplev

Professors: Dong Chen, David Choi, Ellen Ensher, Jeffrey Gale, Yongsun Paik, Charles Vance, Anatoly Zhuplev

Associate Professors: Li Dai, Angélica Gutiérrez, Daniel Jacobs (Clinical), Patricia García Martínez, Cathleen McGrath, Trevor Zink

Assistant Professors: Jason D'Mello, Yamlaksira Getachew, Alexander Glossenberg, Sohvi Heaton, Tony Kmetty (Clinical), Jeffrey Thies (Clinical), Rochelle Webb (Clinical)

### **Bachelors**

### **Entrepreneurship, B.B.A.**

Objectives

The Bachelor of Business Administration Entrepreneurship major at LMU provides undergraduate students with the fundamental theories, critical thinking skills, and real-world awareness necessary to develop their entrepreneurial competencies. The focus of the major is to equip students with an entrepreneurial mindset, state-of-the-art skill set (e.g., entrepreneurial processes), and practical experiences to support their (immediate or eventual) launch into careers as startup entrepreneurs (i.e., founders and/or leaders of new ventures), social entrepreneurs (i.e., founders and/or leaders of social ventures or change agents in society), and corporate entrepreneurs (i.e., "intrapreneurs" or change agents and leaders within established, more traditional organizations).

Learning Outcomes (all pathways)

- Students will demonstrate an entrepreneurial mindset.
- Students will demonstrate proficiency in the entrepreneurial process (e.g., recognizing and evaluating opportunities and conducting feasibility analysis, etc.).
- Students will be able to analyze technological trends and opportunities.
- Students will be able to build financial models and evaluate the financing strategies for a growing venture.

- Students will be able to plan marketing strategies and tactics for a new venture.
- Students will be able to explain the social, environmental, and economic responsibility of an entrepreneurial venture.

### Pathways

In addition, there are three pathways (startup, corporate, and social entrepreneurship) in the major, each with specific additional learning outcomes described below.

#### Startup Pathway

- Students will be able to plan for the launch of a new venture in the context of a startup environment.
- Students will be able to design a course of action and execute to launch and grow a new venture.

#### Social Entrepreneurship Pathway

- Students will be able to apply their entrepreneurial mindset and business skills to create innovative approaches to social/environmental problems.
- Students will be able to explain the key innovations and best practices in business models, legal forms, financing alternatives, and organizational strategies of for-profit and not-for-profit social ventures.

#### Corporate Entrepreneurship Pathway

- Students will be able to identify and analyze entrepreneurial opportunities (e.g., performance improvement or new business opportunities) pertaining to an existing organization.
- Students will be able to explain the processes and skills needed to lead and manage change inside an organization.

### Major Requirements

#### Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

#### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*

- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*

Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Entrepreneurship major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

Core, Major, and Elective Entrepreneurship Courses:

- ENTR 1310 Fundamentals of Entrepreneurship *4 semester hours*
- ENTR 2310 Technology Trends, Opportunities, and Tools *4 semester hours*
- ENTR 3350 New Venture Creation *4 semester hours*
- ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing *4 semester hours*
- ENTR 3360 Corporate Entrepreneurship and Innovation *4 semester hours*
- ENTR 3370 Entrepreneurial Acquisitions *4 semester hours*
- ENTR 3397 Internship *1 semester hours*
- ENTR 4310 Entrepreneurial Finance *3 semester hours* (FNCE 4410)
- ENTR 4320 Real Estate Finance, Investment, and Entrepreneurship *4 semester hours* (FNCE 4420)
- ENTR 4325 Real Estate Development *4 semester hours*
- ENTR 4340 International Entrepreneurship *4 semester hours* (INBA 4840)
- ENTR 4370 Product and Business Design *4 semester hours*
- ENTR 4380 Business Incubation *4 semester hours*
- ENTR 4381 Managing New Ventures *4 semester hours*
- ENTR 4382 Leading and Managing Change *4 semester hours*
- ENTR 4383 Social Entrepreneurship *4 semester hours*
- ENTR 4385 Entrepreneurial Leadership *4 semester hours*
- ENTR 4398 Special Studies *1 TO 4 semester hours*
- ENTR 4399 Independent Studies *1 TO 4 semester hours*

Model 4-Year Plan--Bachelor of Business Administration--Entrepreneurship Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Entrepreneurship major) degree.

Entrepreneurship majors can choose one of three pathways, i.e., one of the three specialized Entrepreneurship Curriculum Pathways: Startup Entrepreneurship, Corporate Entrepreneurship, and Social Entrepreneurship. The foundational courses are the same across all the pathways. They are: ENTR 1310 Fundamentals of Entrepreneurship, ENTR 2310 Technology Trends, Opportunities, and Tools, and ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing (this course does not need to be taken prior to taking the cornerstone courses).

The requirements for the remaining course for the Entrepreneurship major are specific to each Pathway. Students take one of the cornerstone courses within the respective pathways that include ENTR 3350 New Venture Creation (for the Startup Entrepreneurship Pathway), ENTR 3360 Corporate Entrepreneurship and Innovation (for the Corporate Entrepreneurship Pathway), and ENTR 3350 New Venture Creation or ENTR 4340 International Entrepreneurship (for the Social Entrepreneurship Pathway). Finally, students take their

capstone Entrepreneurship course specific to their pathways, which include ENTR 4380 Business Incubation or ENTR 4381 Managing New Ventures (Startup Entrepreneurship Pathway), ENTR 4382 Leading and Managing Change (Corporate Entrepreneurship Pathway), and ENTR 4383 Social Entrepreneurship (Social Entrepreneurship Pathway). Alternatively, students may elect to not enter any Entrepreneurship Curriculum Pathway and instead pursue a general Entrepreneurship curriculum consisting of any of the above cornerstone courses followed by any of the 4000-level capstone Entrepreneurship courses.

#### Freshman Year

##### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ENTR 1310 Fundamentals of Entrepreneurship *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 16-17 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-19 semester hours

#### Sophomore Year

##### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- ENTR 2310 Technology Trends, Opportunities, and Tools *4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 17-18 semester hours

##### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

#### Junior Year

## Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- ENTR Pathway (Cornerstone) *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- ENTR Pathway Elective *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## **Management and Leadership, B.B.A.**

### Objectives

The Management and Leadership major provides students with the appropriate theoretical foundation, applied skill development, and project-based learning to develop the best version of themselves as professionals capable of managing their own careers successfully and leading others. Students are expected to gain knowledge, skills, and experiences necessary to support their entry and ongoing career success as ethical and socially responsible leaders, managers, and administrators in our diverse global economy. In addition to the university and college core requirements, Management and Leadership students are required to complete three specialized management courses and two upper-division electives. Students will develop their own career action plan and have the flexibility to choose the two electives according to their career interests.

## Learning Outcomes

Upon completion of requirements for this major, students will be able to:

- Demonstrate an understanding of leadership principles, theories, skills, and traits within themselves and in organizations
- Demonstrate knowledge of the methods and management styles organizations use to sensitize and engage their employees in valuing diversity in the workplace
- Identify and understand the major theoretical frameworks for team development and processes
- Demonstrate decision making abilities in difficult situations through practice to develop confidence in effective and efficient leadership
- Demonstrate global business knowledge, cross-cultural competencies, and appreciation for local and global business environments
- Understand how to build nimble organizational cultures to promote innovation, collaboration, and creativity

## Major Requirements

Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*

Management and Leadership Major Requirements:

- MGMT 2600 Managing Yourself *4 semester hours*
- MGMT 3600 Managing Others *4 semester hours*
- MGMT 4600 Global Immersion *4 semester hours*
- Two upper-division electives selected by student according to career interests (Curriculum Map must be approved by Management faculty and undergraduate program) *4 semester hours each*

Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Management and Leadership major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

Core, Major, and Elective Management Courses:

- MGMT 2600 Managing Yourself *4 semester hours*
- MGMT 3600 Managing Others *4 semester hours*
- MGMT 3686 Learning and Development *4 semester hours*
- MGMT 4600 Global Immersion *4 semester hours*
- MGMT 4608 Faith and Business *4 semester hours*
- MGMT 4630 International Management *4 semester hours* (INBA 4830)
- MGMT 4640 Cross-Cultural Leadership *4 semester hours*

Completion of Management and Leadership Major

For the Management and Leadership major, students will complete all LMU and CBA core requirements, plus the required MGMT 2600 Managing Yourself, MGMT 3600 Managing Others, MGMT 4600 Global Immersion and two electives (which will be documented in a Curriculum Map) to support their career goals. While the Management department will provide a suggested list of courses for three different emphases, Human Resources Management, International Management, and General Management, it will also provide a list of other University courses which have been pre-approved as appropriate for Management and Leadership electives. Students will create, propose, and submit a Curriculum Map for approval as part of their coursework in MGMT 2600 Managing Yourself.

Model 4-Year Plan--Bachelor of Business Administration--Management and Leadership Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Management and Leadership major) degree.

Freshman Year

Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*

- Elective *4 semester hours*

Total: 19 semester hours

Sophomore Year

Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 16-18 semester hours

Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

Junior Year

Fall Semester

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- MGMT 2600 Managing Yourself *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- MGMT 3600 Managing Others *4 semester hours*
- MGMT 4600 Global Immersion *4 semester hours*

Total: 16 semester hours

Senior Year

Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- MGMT Elective (must be approved) *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

#### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- MGMT Elective (must be approved) *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Certificate

### Foundations of Management Certificate

The Foundations of Management graduate certificate program is designed for individuals who (1) have completed a bachelor's degree in a non-business major and who have not minored in business, and (2) are interested in gaining fundamental knowledge, skills, and abilities in business management to improve their opportunities to advance or start a career and/or position themselves to later pursue a graduate degree in business.

Students who complete each course in the graduate certificate program with a grade of B or higher have the option to continue on into the M.S. in Management program; the three courses in the graduate certificate program count toward the required 10 courses in the M.S. in Management degree.

#### Admissions Requirements

Admissions Criteria for the Graduate Certificate in Foundations of Management:

- Online Application: <https://graduate.lmu.edu/apply>
- Completion of a bachelor's degree from an accredited U.S. institution or the equivalent of a U.S. bachelor's degree from a foreign institution.
- Undergraduate grade point average over 3.0.
- \$50 non-refundable application fee.
- Transcripts from all colleges or universities attended
- International applicants should submit TOEFL or IELTS scores (waived for applicants who have completed a degree in the United States).
- Personal statement
- Resume

#### Curriculum

The Foundations of Management Graduate Certificate will consist of three courses from the M.S. in Management degree program.

- BADM 602 Financial and Managerial Accounting *3 semester hours*
- BADM 605 Management and Organizational Behavior *3 semester hours*
- BADM 606 Marketing Management *3 semester hours*

## Masters

# Management, M.S.

## Program Overview

The objective of the Master of Science in Management (MSM) is to provide a high quality, general business education to recent college graduates who have earned a bachelor's degree in a field other than business, such as in the arts, humanities, sciences, or engineering, and have had limited exposure to, and experience in, business. The MSM provides students the knowledge and skills to apply key business concepts in organizational settings in the areas of accounting, finance, marketing, operations and decision support systems, information technology, economics, and statistics. The program prepares graduates to build on their undergraduate major to develop marketable knowledge and skills that are valuable to businesses and other organizations seeking management talent.

## Program Mission Statement

The mission of the Master of Science in Management program is to provide a foundation in business education consistent with the Jesuit and Marymount traditions. The program fosters development of the whole person and views business as a force for good in the global community.

## Learning Outcomes

- Graduates will possess the knowledge and skills to be able to apply key business concepts in organizational settings.
- Graduates will possess the knowledge and skills to manage in a global economy.
- Graduates will possess critical thinking skills and the ability to integrate concepts.
- Graduates will have the ability to communicate effectively.
- Graduates will have the knowledge and skills to function effectively as members, managers, and leaders in the organizations in which they are employed.
- Graduates will be able to incorporate ethical reasoning, social responsibility, and sustainability in making decisions in their organizations.

## Major Requirements

The Master of Science in Management (MSM) is a nine-month, full-time, face-to-face program that is completed in one academic year (Fall and Spring semesters). The courses are taught primarily during the day or early evening. The program requires completion of 32 semester hours, consisting of ten courses and two workshops.

## Required Courses (3 semester hours each)

- BADM 601 The Legal and Ethical Environment of Business *3 semester hours*
- BADM 602 Financial and Managerial Accounting *3 semester hours*
- BADM 603 Business Statistics *3 semester hours*
- BADM 604 Business Economics *3 semester hours*
- BADM 605 Management and Organizational Behavior *3 semester hours*
- BADM 606 Marketing Management *3 semester hours*
- BADM 607 Operations Analysis and Decision Support Systems *3 semester hours*
- BADM 608 Financial Management *3 semester hours*
- BADM 609 Management Information Systems *3 semester hours*
- BADM 610 Management Strategy *3 semester hours*

Workshops (1 semester hour each)

- BADM 611 Management Workshop: Introduction to Business and Communications *1 semester hours*
- BADM 612 Management Workshop: Personal Development and Career Planning *1 semester hours*

4+1 Master of Science in Management Program

Background

The 4+1 Master of Science in Management (MSM) Program is designed for undergraduate LMU students who are not pursuing a major in business and wish to complete the M.S. in Management degree one year after completing the bachelor's degree. Students admitted to the 4+1 MSM program will take up to two MSM courses (6 semester hours) in their senior year (included in undergraduate tuition) that will count toward both the bachelor's degree and the MSM degree. Accepted students should contact the Graduate Business Programs office for advice for scheduling classes in the senior year and the fifth year.

Admissions Criteria for the 4+1 Master of Science in Management Program

Undergraduate LMU majors may apply to the 4+1 MSM program after they reach junior standing and have completed 75 semester hours or more of undergraduate coursework with an overall GPA of 3.2 or higher for courses taken to date. The application includes:

- Personal statement (1-2 pages)
- Current resume
- A minimum GPA of 3.2 to waive the GMAT/GRE requirement (students with a GPA below 3.2 may apply if they submit GMAT or GRE results)

## **Marketing and Business Law**

### **Faculty**

Chairperson: Sijun Wang

Professors: Arthur Gross-Schaefer, Velitchka D. Kaltcheva, Andrew Rohm, David W. Stewart (President's Professor of Marketing and Law), Madhu Viswanathan, Sijun Wang, Robert D. Winsor

Associate Professors: Mark Bandsuch, S.J., Myla Bui-Nguyen, Mitchell Hamilton, Julian Saint Clair

Assistant Professors: Dominique Braxton, Aidin Namin, Zhen (Richard) Tang

Clinical Professors: Sona Gala, Matt Stefl

### **Bachelors**

#### **Marketing, B.B.A.**

Objectives

The Marketing major focuses on activities that facilitate the creation of value and exchange between individuals and organizations. The Marketing Pathway Curriculum, introduced Fall 2018, prepares students to be future-proof and real-world ready in careers such as marketing research and analytics, advertising and promotion, interactive digital and social media marketing, brand planning and strategy, marketing and product management, global marketing, diversity marketing, retailing, and sales management. Additionally,

these career paths can lead to leadership positions in all types of organizations and industries, including nonprofit and government sectors.

### Learning Outcomes

- Students should know the core concepts of creating customer and company value and developing and executing the marketing mix (consisting of product, pricing, promotional, and place/distribution strategy) within the broader context of business, society, and culture.
- Students should understand the environmental, psychological, technological, socio-cultural, and competitive factors impacting businesses and consumers within marketing and exchange processes in the 21st century.
- Students should understand the impact of present and future technological change (e.g., digital and social media marketing, e-commerce, virtual and augmented reality, machine learning and artificial intelligence) on both consumer behavior and marketing strategy and practice.
- Students should understand the ethical and legal implications of both customer and business decision-making processes and outcomes.
- Students should acquire analytical and critical thinking skills, both qualitative and quantitative, for addressing challenges and optimizing the decision processes for businesses and consumers.
- Students should develop effective oral and written communication skills.
- Students should learn to collaborate and work effectively in teams.
- Students should develop confidence in expressing, articulating, and championing both their creativity and their ethical principles in addressing business and organizational opportunities and challenges.
- Students should understand how marketing activities impact the financial performance of a firm (such as profitability) and the economic outcomes for society.

### Major Requirements

#### Lower Division Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

#### Upper Division Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*

hours

Note:

For purposes of meeting the requirements for the B.B.A. in Marketing, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

All (Business Core, Major, and Elective) Marketing Courses:

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- MRKT 3512 Customer Insights *4 semester hours*
- MRKT 3513 Rethinking the Marketplace *4 semester hours*
- MRKT 3516 Company and Customer Mutualism *4 semester hours*
- MRKT 3521 The New World of Branding and Advertising *4 semester hours*
- MRKT 3531 Brand Planning and Strategy *4 semester hours*
- MRKT 3532 Personal Brand Management *1 semester hours*
- MRKT 3570 Marketing Law *4 semester hours*
- MRKT 3597 Internship *1 semester hours*
- MRKT 3598 Special Studies *1 TO 4 semester hours*
- MRKT 4510 Advertising and Promotion Management *4 semester hours*
- MRKT 4511 Cross-Platform Content Creation *4 semester hours*
- MRKT 4515 Managing Retail and Service Businesses *4 semester hours*
- MRKT 4517 Data-Driven Customer Insights *4 semester hours*
- MRKT 4521 Adaptive Media and Analytics *4 semester hours*
- MRKT 4523 Historical Survey of Business and Capitalism in Society *4 semester hours*
- MRKT 4524 Sustainable Marketing Enterprises *4 semester hours*
- MRKT 4525 Competitive Strategy *4 semester hours*
- MRKT 4527 Customer Relationship Management Analytics *4 semester hours*
- MRKT 4531 Creative Brand Management *4 semester hours*
- MRKT 4532 Advertising Account Management *1 semester hours*
- MRKT 4533 Psychology of Health and Marketing *4 semester hours*
- MRKT 4534 Bottom-up Marketing Innovation *4 semester hours*
- MRKT 4535 Public Policy and Marketing *4 semester hours*
- MRKT 4536 Professional Selling *4 semester hours*
- MRKT 4537 Online and Social Media Analytics *2 semester hours*
- MRKT 4543 Brands, Celebrities, and the Arts *4 semester hours*
- MRKT 4545 New Product Development *4 semester hours*
- MRKT 4546 Brand Management *4 semester hours*
- MRKT 4547 Strategic Marketing Decision Making *4 semester hours*
- MRKT 4553 Non-Profit Marketing *2 semester hours*
- MRKT 4555 Business-to-Business Marketing *4 semester hours*
- MRKT 4556 Supply Chain Management and Logistics *4 semester hours*
- MRKT 4561 Managing User Experience *4 semester hours*
- MRKT 4563 New Perspectives for Understanding Markets *4 semester hours*
- MRKT 4565 The Psychology of Selling and Consuming *4 semester hours*
- MRKT 4566 Pricing Goods and Services *4 semester hours*
- MRKT 4573 Sports Marketing *4 semester hours*
- MRKT 4574 Entertainment Marketing *4 semester hours*

- MRKT 4576 Marketing Strategy in the Global Environment *4 semester hours*
- MRKT 4583 Modern Consumer Culture *4 semester hours*
- MRKT 4593 Brand Storytelling *4 semester hours*
- MRKT 4595 Value Creation and Marketing Accountability *4 semester hours*
- MRKT 4598 Special Studies *1 TO 4 semester hours*
- MRKT 4599 Independent Studies *1 TO 4 semester hours*

Note:

Students in the Marketing major begin by completing the Business core marketing course, BCOR 3510 Marketing and Business Communications, which is a required core business class for all business and accounting majors. **It is strongly recommended that students complete BCOR 3510 during their sophomore year.** At the beginning of their junior year, students then choose to enter one of the four specialized Marketing Curriculum Pathways: Applied Learning in Societal Transformation (A-LIST), Congruity of Interests (COIN), Marketing Analytics (MA), or the M-School Pathway. Note that admission into the M-School Pathway is competitive and based on an application process taking place in the students' sophomore year. Once in a Pathway, students must first complete the specific Foundational course(s) within that Pathway before taking any advanced MRKT elective courses or the required Capstone course within that respective Pathway. The foundational courses within the respective pathways include MRKT 3512 Customer Insights and MRKT 3513 Rethinking the Marketplace (in the A-LIST Pathway), MRKT 3512 Customer Insights and MRKT 3516 Company and Customer Mutualism (in the COIN Pathway), MRKT 3512 Customer Insights and MRKT 4517 Data-Driven Customer Insights (in the MA Pathway), and MRKT 3521 The New World of Branding and Advertising (in the M-School Pathway).

**Requirements for the Marketing major are specific to each Pathway:**

Students in the A-LIST Pathway will complete MRKT 3512 Customer Insights and MRKT 3513 Rethinking the Marketplace, two advanced MRKT elective courses chosen from among those specifically designated as A-LIST electives, and the capstone MRKT 4593 Brand Storytelling course.

Students in the COIN Pathway will complete MRKT 3512 Customer Insights and MRKT 3516 Company and Customer Mutualism, two advanced MRKT elective courses chosen only from among those specifically designated as COIN electives, and the capstone MRKT 4595 Value Creation and Marketing Accountability course.

Students in the MA Pathway must complete MRKT 3512 Customer Insights, MRKT 4517 Data-Driven Customer Insights, MRKT 4527 Customer Relationship Management Analytics, one upper-division MRKT elective, and the capstone MRKT 4547 Strategic Marketing Decision Making course.

Alternatively, after completing BCOR 3510, Marketing students can apply for admittance into the M-School program at the end of their sophomore year. Admittance is competitive and not guaranteed; however, if accepted into the M-School, students are required to complete the five M-School specific classes in order to meet the requirements of the Marketing major. Students apply to one of two tracks within the M-School Pathway: 1) Content Creation or 2) Strategy and Management. Required classes for both tracks include MRKT 3521 The New World of Branding and Advertising and MRKT 4598 Special Studies (Creative Marketing Studio). Additional required courses within the Content Creation track include MRKT 4511 Cross-Platform Content Creation, MRKT 4598 Special Studies (Conceptual Brand Thinking) and MRKT 4598 Special Studies (Production Tools and Techniques). Additional required courses within the Strategy and Management track include MRKT 3531 Brand Planning and Strategy, MRKT 4521 Adaptive Media and Analytics, and MRKT 4598 Special Studies (Growth Marketing).

Please note that students will be permitted to begin taking their foundational course and associated required or advanced elective courses within a Pathway only after completing BCOR 3510 Marketing and Business Communications.

#### Model 4-Year Plan--Bachelor of Business Administration--Marketing Major Curriculum

The following curriculum represents one possible order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Marketing major) degree. Individual schedules may vary due to student qualifications, participation in Study Abroad programs, and course availability. In order to graduate within 4 years, a student should complete an average of 16 credits each semester.

#### Freshman Year

##### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 13-14 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 18-19 semester hours

#### Sophomore Year

##### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

##### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Junior Year

### Fall Semester

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- Marketing Foundation Course: MRKT 3512 Customer Insights (A-LIST, COIN, and MA Pathways) or MRKT 3521 The New World of Branding and Advertising (M-School Pathway) *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- Marketing Pathway Foundation Course (MRKT 3513 Rethinking the Marketplace for the A-LIST Pathway or MRKT 3516 Company and Customer Mutualism for the COIN Pathway or MRKT 4517 Data-Driven Customer Insights for the MA Pathway), or M-School Required Course *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- MRKT Pathway-Specific Required or Elective Course *4 semester hours*
- Elective *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- MRKT Pathway-Specific Capstone Course: MRKT 4593 Brand Storytelling (A-LIST Pathway) or MRKT 4595 Value Creation and Marketing Accountability (COIN Pathway) or MRKT 4547 Strategic Marketing Decision Making (MA Pathway) or MRKT 4531 Creative Brand Management (M-School Pathway) *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## **MBA Program**

# Senior Director, MBA and MS Programs

Dustin Cornwell

## Contact Information

**Office Location:** Conrad N. Hilton Center for Business, Room 51

**Telephone:** 310.338.8707

**Fax:** 310.338.2899

## Introduction

The College of Business Administration offers the MBA degree designed for working professionals. There are three areas of emphasis/specialization in the MBA Program. The purpose, admission requirements, program requirements, and options are described in the pages that follow. The part-time MBA program (MBA) serves the educational requirements of working professionals who recognize the need to continue to build their careers. The Executive MBA (EMBA) is designed for the experienced business professional who aspires to executive-level responsibility.

In addition, two dual degree programs are available. Students may apply for separate admission to the Loyola Law School and earn the JD/MBA degree or apply to the Systems Engineering Leadership Program (SYEG) and earn an MBA and an MS in Systems Engineering.

## Mission Statement

The mission of the Loyola Marymount University College of Business Administration is to advance knowledge and develop business leaders with moral courage and creative confidence to be a force for good in the global community. The mission of the Loyola Marymount University MBA Program is to provide high quality graduate business education consistent with the Jesuit and Marymount traditions. The MBA Program fosters development of each student's potential to create value, handle risk, and manage change to serve both business and society. The result is the development of ethical leaders possessing the knowledge and skills to effectively manage organizations in a diverse and global economy.

To accomplish its mission, the MBA Program utilizes faculty who regularly extend the boundaries of their discipline and simultaneously demonstrate in the classroom their ability to translate theory into practice. Although teaching styles and techniques vary, all focus on the current issues and technologies that are forming and shaping the many environments of business (political, economic, social, legal, and ethical). Classes range from those that emphasize computer applications to those that delve into ethical concepts and humanistic management. The MBA curriculum is one of breadth first and specialization second. To that end, the basis of the Program is broad and integrating. Areas of specialization are built on this base. By specializing, students are able to focus some of their studies in a single area of emphasis. Additionally, numerous opportunities exist to explore various aspects of global business. These include a full-fledged International MBA Program of studies, including a unique overseas integrative experience. The high quality of the MBA Program is confirmed through its accreditation by the Association to Advance Collegiate Schools of Business.

## Admission Requirements

Once your application is complete, you will be notified by the MBA Admissions Committee within one month. The following items must be received prior to application review.

1. Applicants must apply and pay the \$50 application fee online at <https://graduate.lmu.edu/apply/>.
2. Transcripts from all colleges and universities attended. All applicants with degrees earned outside the United States must have transcripts evaluated for equivalencies to U.S. degrees.
3. Official Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) score. Waivers for the GMAT/GRE may be granted to MBA candidates who demonstrate quantitative competency and readiness for our rigorous MBA curriculum. The waiver policy and school codes may be found at <https://mba.lmu.edu/prospectivestudents/admissionrequirements/gmatgrewaiverpolicy/>.
4. A current resume. Two years of full-time work experience preferred.
5. Applicants whose native language is not English and have not completed a bachelor's degree or higher at a university in the United States or other country where English is the primary language must submit a TOEFL score or IELTS score.
6. Personal Statement--no more than 2 pages (12-point font, double-spaced) that addresses why you are applying to the MBA program at this point in your career, what your short- and long-term goals are, and why the LMU MBA is a good fit for your professional development needs.

Students may enter the program in either Fall or Spring semesters.

Attendance in MBA classes is limited to individuals who have been admitted to the MBA program and who are registered for the class. Any exceptions to this policy must be approved by the Senior Director of MBA and MS Programs.

## Proficiency Prerequisites

All students admitted to the MBA Program must be proficient in spoken and written English composition, business mathematics, and computer applications. Successful completion of a college-level course in business math or intermediate algebra is required.

Successful completion of the Harvard Business Quantitative Methods online course is required before commencement of the first semester.

Working knowledge of Microsoft Excel required.

## Attendance and Residence

Students are expected to be continuously enrolled in the MBA Program. A Leave of Absence (LOA) may be granted for up to one year at the discretion of the MBA and MS Programs Director and the Office of the Registrar. If a student needs to request a Leave of Absence, the student must contact the MBA and MS Programs Office to initiate the process. Individuals who remain on leave for more than two years must formally reapply for admission. Readmission is based on the admission criteria and the curriculum that are in effect at the time of the resumption of classes.

## Student Registration, Counseling, and Degree Works

Registration must be completed each semester during the dates specified in the LMU Academic Calendar

provided by the Office of the Registrar.

Newly-admitted students are required to meet with the MBA/MS Programs academic advisor prior to registering for their first semester of classes. In subsequent semesters, students are not required to obtain course approval for registration, unless on academic probation. Each student takes responsibility for following the curriculum plan outlined by the MBA Program exclusively. Enrolling in non-LMU MBA courses may result in credits not applying towards the MBA degree.

Students are encouraged to meet informally with faculty in their areas of interest for general and career guidance.

### **Degree Works**

The Office of the Registrar uses Degree Works to certify students for graduation, and all areas in Degree Works must show MET before the student may graduate. A student should review his or her Degree Works regularly to make sure that courses are listed in the correct areas. Degree Works may be adjusted by the student to allow for course substitutions, waived requirements, or any other variance in the program of study. These adjustments are made through the MBA and MS Programs Office.

## **MBA Program Policies**

### **Responsibility and Academic Standing**

A student is responsible for knowing academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the University. Continued enrollment is subject to compliance with the academic and administrative policies and regulations. Failure to understand the policies and regulations does not relieve a student of her or his responsibility for adhering to the policies and regulations.

A student must maintain in each semester the stated minimum cumulative grade point average for each of the requirements in the degree program. The calculation of standing is based on all courses taken at LMU. MBA students must maintain a B average (3.0) in term, major, program, and cumulative GPA, with a C or higher in every core course. The calculation is based upon courses taken in Fall, Spring, and Summer terms.

### **Academic Probation and Disqualification**

Academic probation constitutes a serious warning to students that their academic performance is unsatisfactory and continued failure to improve this record may result in being disqualified from the University. Additionally, a student who does not make satisfactory progress in the course of study is subject to probation. Further, the Dean or Director may impose restrictions on students on probation regarding the program of study and their participation in scholarship or extracurricular activities at LMU.

### **Conditions for Academic Probation**

Any MBA student who, in any semester, fails to earn a "B" (3.0) average or whose cumulative grade point average in the MBA Program falls below a "B" (3.0) will be placed on academic probation. Students on academic probation will be ineligible for scholarships and tuition remission.

## **Conditions for Disqualification**

MBA program disqualification is based upon two consecutive semesters (Fall, Spring, or Summer) in which work of less than grade of B (3.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are used to calculate if a graduate student is subject to disqualification.

Disqualification terminates a student's relationship with the University. A disqualified student may not register in any division or session of the University, and is denied all privileges of the University, including all organizations or activities in any way connected to the University.

## **Academic Dishonesty**

The MBA Program abides by the LMU Honor Code in matters of academic honesty. Please refer to the Academic Degree Requirements and Policies section of the University Bulletin for more information.

## **Change of Program or Emphasis/Specialization**

A student who wishes to change a program before completing a degree must submit a new application form to the Graduate Admission Office.

A student who wishes to transfer from one emphasis/specialization to another before completing a degree must request an approval from the MBA and MS Programs Office.

## **Cross-Listed Courses**

A cross-listed course is one that carries credit in more than one department or program. Students may not enroll in more than one section of a cross-listed course and may receive credit in one department only.

## **Repeating Courses**

Students may repeat a course previously taken at LMU in a subsequent term one time only, including any withdrawals; the prior occurrence is excluded from the cumulative grade point average but remains on the transcript. Please note that although the GPA for that term will change accordingly, the academic status of the previous term will not change.

A student who earns below a C in a core course will be required to repeat that course.

## **Grade Appeals**

Please refer to the Academic Degree Requirements and Policies section of the University Bulletin for more information.

## **Incomplete Grades**

"I" (Incomplete) indicates that the student has not completed the work for a given course. The student must remove the "I" in order to qualify for graduation. Students who wish to retake the course must pay regular tuition for the repeated course.

When a professor has granted an "I," it is the student's responsibility to arrange a deferred grade. The professor submits a "Deferred Grade Form" with the final grade to the Office of the Registrar.

Any graduate student who in a given term receives a grade of I (Incomplete) for a course and who subsequently completes the course will receive a grade that is retroactive to the term when the student first registered for the course with all the impact it entails on the student's academic standing.

## **Independent Study**

Independent Studies classes must be sponsored by a full-time faculty member and approved by the Associate Dean. Independent Studies can only be invoked once during a student's MBA program.

There are time constraints associated with an Independent Studies course. The approval process for Independent Studies must be completed during the semester prior to the semester during which the student expects to enroll in the Independent Studies course.

All questions about Independent Studies should be directed to the Faculty Advisor. The Faculty Advisor is the arbiter of the process facilitating Independent Studies.

## **Academic Advising**

An Academic Advisor is available for all MBA students to assist in navigating through the Program curriculum.

Advising is optional, unless a student is on academic probation, in which case the student must be advised prior to registration. MBA Advisor Holds will be placed on the student's record and not removed until the student has been advised.

## **The Jesuit MBA Network**

### **Jesuit MBA Transfer Network**

Students from schools that are parties to the Multilateral Agreement may complete their degree requirements at another Agreement School, subject to the admission standards of the receiving school. Other conditions may apply as well.

LMU MBA students who have completed more than half of their degree requirements may take courses that apply towards their LMU degree requirements at another Jesuit-affiliated school and still receive their degree from LMU, assuming that they take the courses approved by the LMU MBA Program and earn at least a B in each course.

Those students who have completed less than half of their degree requirements at LMU may transfer to another Jesuit-affiliated school, assuming they meet the receiving school's admission standards, and receive credit for some or all LMU coursework to apply towards the degree requirements at the receiving school. The receiving school determines the transfer credits they will accept.

LMU will only accept courses towards the degree with grades of B or better.

A student who transfers to LMU from another Jesuit MBA program is required to maintain the standards of graduate students at LMU and is governed by the guidelines established within the University Bulletin. For more information about the Jesuit Transfer Network, visit <http://jesuitmba.org/>.

Students who transfer in from other Jesuit MBA Programs but will be receiving their degree from their original school are considered Visiting Students (non-degree).

All participating institutions have the right to deny individual applicants. Each institution will employ the right to enforce its own university standards.

LMU prefers Jesuit MBA Network transfers for the Fall term but will consider other semesters.

## **International Study Classes**

Students may take no more than one (1) MBA international study summer program class offered by another Jesuit institution.

## **Dual-Degree**

### **J.D./M.B.A. Dual Degree Program: Doctor of Jurisprudence and Master of Business Administration Degrees**

Only full-time law students and those applying to the full-time division of the Law School may apply for admission into the JD/MBA Program.

The JD/MBA Program is designed for the full-time student who wishes to combine his/her graduate studies in law and business administration. It requires an intensive full-time commitment and superior capability to handle the academic rigors of two equally intensive graduate programs.

All students enrolled in the JD/MBA Program are required to comply with the requirements of both the Law School and MBA Program with the exception of the GMAT requirement. Please refer to the Loyola Law School Student Handbook and this University Bulletin for clarification on policies governing graduate students.

#### **JD/MBA Admissions**

Applicants to the JD/MBA Program must first apply and be accepted separately to both the Law School and the MBA Program. Applicants must successfully complete the first year of Law School before they are eligible to apply to the JD/MBA Program. Acceptance to both schools does not guarantee admission to the JD/MBA Program.

Applicants to the JD/MBA Program are due in the Law School Admissions Office by June 15 at the conclusion of the applicant's first year at the Law School.

#### **Course of Study**

Students enrolled in the JD/MBA Program plan a specific course of study with the MBA Program and the Loyola Law School. 12 units of law course work will apply to MBA Program, reducing MBA requirement to 39 semester hours.

#### **Suggested JD/MBA Curriculum Flowchart**

##### **Fall Semester**

- MBAW 6400 MBA Orientation 2 *semester hours*
- MBAA 6020 Financial and Managerial Accounting 3 *semester hours*
- MBAA 6030 Global Economic Structures and Systems 1.5 *semester hours* (8-week course)
- MBAA 6040 Managing Markets and Customer Relationships 3 *semester hours* (8-week course)
- MBAA 6050 Managing Operations 1.5 *semester hours* (8-week course)

- MBAA 6090 Managing Information Systems *3 semester hours* (8-week course)
- MBAW 6402 The Elements of Becoming A Strategic Leader *1 semester hours*

#### Spring Semester

- MBAA 6010 Managing People and Organizations *3 semester hours*
- MBAA 6060 Strategic Management *3 semester hours*
- MBAA 6070 Managing Financial Resources *3 semester hours*
- MBAA 6080 Data, Models, and Decisions *3 semester hours*

#### Summer Session

- MBAA 6100 Managing International Business *3 semester hours*

#### Spring Semester

- MBAW 6307 Management Leadership Workshop: Planning Your Future *0 semester hours*
- Elective *3 semester hours*

#### Summer Session(s)

#### International Experience

- Comparative Management Systems (CMS) *6 semester hours*

Total Degree Requirement: 39 semester hours

### **Dual M.S. in Civil Engineering/Master of Business Administration**

Dual M.S. in Civil Engineering/Master of Business Administration

### **Dual M.S. in Computer Science/Master of Business Administration**

Dual M.S. in Computer Science/Master of Business Administration

### **Dual M.S. in Electrical in Electrical Engineering/Master of Business Administration**

Dual M.S. in Electrical in Electrical Engineering/Master of Business Administration

### **Dual M.S. in Environmental Science/Master of Business Administration**

Dual M.S. in Environmental Science/Master of Business Administration

### **Dual M.S. in Healthcare Systems Engineering/Master of Business Administration**

Dual M.S. in Healthcare Systems Engineering/Master of Business Administration

### **Dual M.S. in Mechanical Engineering/Master of Business Administration**

Dual M.S. in Mechanical Engineering/Master of Business Administration

### **Dual M.S. in Systems Engineering/Master of Business Administration**

Dual M.S. in Systems Engineering/Master of Business Administration

## **Masters**

### **Business Administration, M.B.A.**

#### **MBA Degree Program**

To qualify for the Master of Business Administration degree, the admitted student must satisfy the requirements of 17 courses. MBA course descriptions and prerequisites are listed in the University Bulletin. Course syllabi are available on the MBA student page on Brightspace.

##### Learning Outcomes

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

##### MBA Course Categories

Five broad divisions of courses exist in the MBA Program: Orientation, workshops, the core, emphasis (or concentration) courses, and the international experience. Total semester hours requirement is 51 semester hours.

The completion of the program includes:

- 1 Orientation (2 days)
- 11 Core Classes
- 2 Workshops
- 3 Emphasis (concentration) courses
- 1-2 Elective courses

- 1 International Experience

## Core Curriculum

The core curriculum consists of a Pre-Program Orientation weekend held before classes commence and 2 workshops throughout the first two years. In addition, 11 specific courses that comprise the common body of knowledge of business administration as defined by the Association to Advance Collegiate Schools of Business (AACSB International).

Core courses are prefixed MBAW for the MBA Orientation and workshops, and MBAA 6010-6100 represent the core curriculum.

Core courses are described in the next section. They include the following:

- MBAA 6010 Managing People and Organizations *3 semester hours*
- MBAA 6020 Financial and Managerial Accounting *3 semester hours*
- MBAA 6030 Global Economic Structures and Systems *1.5 semester hours*
- MBAA 6040 Managing Markets and Customer Relationships *3 semester hours*
- MBAA 6050 Managing Operations *1.5 semester hours*
- MBAA 6060 Strategic Management *3 semester hours*
- MBAA 6070 Managing Financial Resources *3 semester hours*
- MBAA 6080 Data, Models, and Decisions *3 semester hours*
- MBAA 6090 Managing Information Systems *3 semester hours*
- MBAA 6100 Managing International Business *3 semester hours*
- Business and Society Requirement *3 semester hours*

Satisfied by taking one of the following courses:

- MBAE 601 The Legal and Ethical Environment of Business *3 semester hours*
- MBAE 650 Environmental Strategy *3 semester hours*
- MBAE 651 Ethical Issues in Business *3 semester hours*
- MBAH 650 Social Entrepreneurship *3 semester hours*

## Note:

Several topics which are vital to the common body of knowledge in business are not directly referenced in the titles of the 11 core courses. These topics include the following: business ethics, social influences, political influences, computer applications, organizational theory, interpersonal communications, integrating analysis, and the international dimension of business. Because of their critical nature for emerging business leaders, many of these topics are included as major elements within each core course.

Due to the MBA program's flexible design, certain courses are eight weeks in duration, while others are 16 weeks long; please note that courses may begin on the first day of a new semester, or mid-semester based on course length.

## Area of Emphasis/Specialization

Depth in a specialized field of knowledge is obtained by the selection of three courses within one of three designated areas of emphasis. For example, a student who plans on selecting MBAF: Finance as their area of emphasis/specialization must take 3 MBAF advanced courses to fulfill the area of emphasis/specialization requirement. These specializations and their course designator prefixes are listed below:

MBAC: Marketing

MBAF: Finance

MBAH: Entrepreneurship

## International Experience

The international experience is designed to draw together the knowledge gained in the MBA program into a combined focus.

Comparative Management Systems (CMS), MBAI 690 and MBAI 691

This integrative course requires prep activities in the Fall and Spring semesters prior to the approximately two-week travel taken in the first Summer Session. Prior to departure, students participate in a corequisite advanced elective course, MBAI 690 International Regional Strategies: Cultural and Industrial, during which they perform area studies of the nations to be visited and participate in seminars conducted by area and industry specialists. The industries visited are held constant for each annual CMS Program. Students are grouped by business functional areas and meet with executives from those areas in each firm visited. Group papers and presentations comprise final outputs for the course.

## Executive MBA

Director of the Executive MBA Program: Joe O'Hannigan

## Contact Information

**Office Location:** Conrad N. Hilton Center for Business; Center for Executive Learning

**Telephone:** 877.LMU.8585 (877.568.8585)

**Fax:** 310.338.1890

**E-mail:** [emba@lmu.edu](mailto:emba@lmu.edu)

**Website:** <http://emba.lmu.edu>

## Introduction

The LMU EMBA is designed for accomplished working professionals to build the core business competencies and insights required for executive leadership. The 20-month program offers:

- First rate faculty comprised of academic and industry leaders
- Rigorous curriculum that melds the latest research and industry best practices
- Small, collaborative class with successful, highly motivated peers
- Saturday-only classes that minimize work conflicts
- Professional and career development fully supported by executive coaching
- Conveniently-located campus in the heart of "Silicon Beach"
- Unique OnBoarding Program that prepares you to go back to school and get the most out of your EMBA.

The program begins in August year one and ends in May year two.

## Application Process

The Executive MBA program requires a Bachelor's degree with an acceptable level of scholarship from an accredited institution of higher learning and eight or more years of increasing responsibility in professional,

management, or entrepreneurial positions.

Admission to the Executive MBA program is individualized and based on a candidate's potential to pursue graduate study. Each candidate is evaluated on the cumulative evidence received including, but not limited to, work and management experience, career accomplishments, potential for advancement, letters of recommendation, personal interview, information provided in the application form, undergraduate and graduate (if any) record, and GMAT (if required). Admission is based without regard to race, creed, color, gender, sexual orientation, national origin, age, or disability.

## How to Apply

Application deadline is July 8. Applications received after the deadline will be considered if spaces are available.

- **Schedule your personal interview**

Candidates for the Executive MBA must have an interview with a member of the admissions committee. If you are considering candidacy, you are encouraged to interview early in the admissions process to assess the fit between the program and your experience, expectations, and personal development needs, and to determine if you are required to take the Graduate Management Admission Test (GMAT).

- **Complete the online application for admission:**

[https://mylmu.co1.qualtrics.com/jfe/form/SV\\_0q7rIsGuLK8mt4V](https://mylmu.co1.qualtrics.com/jfe/form/SV_0q7rIsGuLK8mt4V).

- **Include a \$100 application fee (non-refundable)**

Your check should be made out to Loyola Marymount University. If a check is written for you by someone else, please make sure your name appears on it. You may also pay online at [https://lmutpg.lmu.edu/C20995\\_ustores/web/product\\_detail.jsp?PRODUCTID=451&SINGLESTORE=true](https://lmutpg.lmu.edu/C20995_ustores/web/product_detail.jsp?PRODUCTID=451&SINGLESTORE=true). ***Application fee is waived for active duty military members and veterans.***

- **Send for official transcripts from all colleges and universities attended**

Official records must be sent directly from the registrar of the issuing institution to EMBA Admissions. Transcripts submitted will not be returned, nor will copies be forwarded by LMU to other institutions.

- **Request two letters of recommendation**

You should request these from persons with whom you have closely worked and who can evaluate your abilities, accomplishments, and potential. Where applicable, one letter should come from your supervisor. Here is the link to the letters of recommendation:

<http://emba.lmu.edu/media/lmucollegeofbusinessadministration/responsivesite/emba/EMBA%20Letter%20of%20Recommendation.pdf>.

- **Provide the official score of your Graduate Management Admission Test (GMAT), if required**

The Graduate Management Admission Test (GMAT) is required only if your prior academic work and professional experience does not show clear evidence of strong quantitative and analytical reasoning skills. A determination that the GMAT is required will be made after your personal interview and application screening. If the GMAT is required, your results should be sent to EMBA Admissions (ETS code 4403). The GMAT is a computer-adaptive test (CAT) that is available year-round at test centers throughout the world. Visit the MBA Explorer<sup>®</sup> website at <http://www.mbaexplorer.com> for quick answers to most of your questions and the latest GMAT information. If you have additional questions, contact an Educational Testing Service customer

service representative at 609.921.9000. Telephone lines are open Monday through Friday, 8:00 a.m. to 8:00 p.m., EST.

- **Review and Notification**

A formal notice will be sent to each candidate after the application and complete records are received, the interview conducted, and the admission committee has made its recommendation. If you are admitted, you will be expected to confirm your commitment with a non-refundable payment of \$1,000. This pre-payment will be applied to tuition charges and will reserve one of the LMU EMBA positions for you.

## Summary--The Application Essentials

SCHEDULE INTERVIEW: Early interview suggested

COMPLETE: Application with \$100 fee

HAVE SENT:

- Transcripts
- 2 Letters of Recommendation
- GMAT Score, if required

SEND TO:

EMBA Admissions  
Center for Executive Learning  
Loyola Marymount University  
1 LMU Drive, MS 8386  
Los Angeles, CA 90045-2659

## The Executive MBA Curriculum

The Executive MBA curriculum employs a modular structure with the focus shifting from analysis and evaluation in the first half of the program to strategic application and execution in the second half of the program. The 20-month, 56-credit-hour program is presented in four modules. The learning process is accomplished through three levels of integration.

**Knowledge Content:** To enhance relevance of core business concepts to the workplace, knowledge content (finance, accounting, economics, business analytics, marketing, leadership, performance management, and strategy) is presented by instructors with significant real-world experience in theme-based modules that closely approximate their application in real-world situations.

**Managerial Competencies:** Core managerial competencies (problem solving and decision making, communicating and interpersonal relations) are used to integrate and enhance the application of knowledge, experience, and learned concepts into the workplace.

**Integrated Learning Environment:** Relevance and enhanced retention are enabled through action-based assignments, illustrative real-world cases studies, integrated skill application projects, and on-scene domestic and international field trips.

The major components of the program are the classroom experience, skills application projects, structured residencies, and experiential learning.

## **Classroom Experience**

Classroom sessions are comprised of presentations by academic and business leaders. Learning is facilitated through interaction between participants and faculty, exercises approximating real management issues, case studies, and exploring management concepts found in readings and text materials. Individual skill development is stressed, with the aim of equipping executives with strategies they can use to improve their own decision-making and leadership capabilities.

## **Skill Application Projects**

Skill application projects provide important experiential learning by using business concepts learned in the classroom to solve real business problems. Each module or major curriculum focus uses a team project to facilitate the transference of knowledge into practical application. Projects are real business issues faced every day, such as a merger or acquisition, ethical decisions, opening new markets, major reorganization, or a functional business problem. Web-based group interaction and e-mail are used to facilitate completion of group assignments.

## **Learning Experiences**

Learning experiences provide unique educational opportunities that augment classroom instruction. These are fully integrated into the curriculum and also provide experiential learning in the actual practice of management.

- **Executive Leadership Retreat**

You begin the Executive MBA program with a four-day residential retreat where we help you set learning goals, form study teams, and engage in a variety of workshops and team-building exercises. We also include a workshop for our students and their spouses/significant others addressing the importance of achieving balance between family, work, and school.

- **Innovation, Entrepreneurialism, and Leadership Practicum**

After completing Modules 1 and 2 in Year One, students will study innovation, entrepreneurialism, and leadership during a structured summer program. The innovation component will explore the key organizational factors that facilitate innovative process, including a domestic field trip to some of the nation's most innovative companies. The entrepreneurialism component will examine the new venture start up process, identifying the elements critical for success. The leadership practicum will provide a forum for experiential learning and team building.

- **International Trip**

During Year Two, you will take a field trip to one or more major, non-U.S. business centers that will broaden your understanding of what it takes to manage in today's global business environment. In recent years, we have traveled to South America, China, India, Southeast Asia, South Africa, and Europe. Our students regularly cite the visit as a highlight of the program.

## **Expectations for Executive MBA Students**

The Executive MBA is a cohort program where students proceed through a fixed curriculum as a group. Learning is facilitated through collaborative assignments where students work closely with each other, with faculty, and within study teams. A significant and critical part of the learning is achieved through open and honest dialog with fellow students and faculty.

Learning in the program depends heavily on how students interact with and work with other classmates.

Students are expected to develop an awareness of self that requires a willingness to engage in self-discovery, to look at oneself objectively, and to respect the opinions and perspectives of fellow classmates, faculty, and administrators. Students agree to and accept the following guidelines:

- Fully engage and participate in class discussion
- Actively participate in regular team meetings and activities
- Fulfill commitments made to the team including homework and team projects
- Support other team members
- Actively work to create a high performance team
- Be open to feedback from faculty, team members, and class members
- Provide feedback to team members and class members
- Treat fellow students, faculty, and administrators with mutual respect

Failure to adhere to these guidelines may result in dismissal from the program.

### The EMBA Curriculum Sequence

The EMBA is built and organized around key business challenges, with courses that integrate core business concepts and tools with real business situations to address these challenges. Credit hours for an individual course may vary from .5 to 4 semester hours, and some courses may not be offered for each class, or in the module indicated; however, total credit hours is 56 semester hours. The MBA degree is awarded by the College of Business Administration upon successful completion of the program.

The LMU EMBA program consists of 56 semester hours taught over four modules and a summer session between the first and second years. Each module approximates a normal semester. The curriculum is integrated, which means that key concepts are addressed across courses and across modules. The sequence moves from acquiring business knowledge, to applying knowledge in real-world settings at the organizational level, to using knowledge and skills for making strategic decisions and leading change at the firm level.

### Leadership Retreat

- MBAP 6810 Introduction to Executive Leadership *2.5 semester hours*

Total: 2.5 semester hours

### Module 1: Business Foundations

This module introduces fundamental leadership principles, and quantitative and analytical skills required for executive management.

The module includes:

- MBAP 6110 Financial Accounting *2 semester hours*
- MBAP 6310 Business Insights *2 semester hours*
- MBAP 6330 Applied Business Economics *1 semester hours*
- MBAP 6410 Marketing Management *2.5 semester hours*
- MBAP 6510 Executive Communications I *1 semester hours*
- MBAP 6820 Leadership Foundations *2 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*

Total: 11.5 semester hours

### Module 2: Building and Leading High Performance Organizations

This module builds on the foundational skills introduced in Module 1. Courses focus on strengthening the decision-making skills and capabilities required for executives to build and lead a high performing organization.

The module includes:

- MBAP 6120 Managerial Accounting *2 semester hours*
- MBAP 6210 Fundamentals of Finance *2 semester hours*
- MBAP 6320 Big Data, Analytics, and Organizational Decision-Making *1 semester hours*
- MBAP 6340 Applied Macro Economics *1 semester hours*
- MBAP 6520 Executive Communications II *1 semester hours*
- MBAP 6610 Human Capital Management *2.5 semester hours*
- MBAP 6650 Management and the Technological Future *1 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*
- MBAP 6850 Ethics and Spirituality in the Workplace *.5 semester hours*

Total: 11.5 semester hours

Summer: Innovation and Entrepreneurialism

The Summer Session examines the role of leadership in managing innovation, new venture startups, and team building.

The program includes:

- MBAP 6880 Leadership Practicum *1 semester hours*
- MBAP 6910 Managing Innovation *3 semester hours*
- MBAP 6920 Field Study: Innovation in Practice *2 semester hours*
- MBAP 6950 New Venture Start Up *3 semester hours*

Total: 9 semester hours

Module 3: Strategy in the Global Business Environment

Courses in this module focus on providing executives with a strategic mindset and the capabilities required for organizations to compete and win in the global business environment.

The module includes:

- MBAP 6220 Corporate Finance and Capital Markets *2 semester hours*
- MBAP 6420 Strategic Marketing *3 semester hours*
- MBAP 6670 Strategic Management *2.5 semester hours*
- MBAP 6710 Strategic Opportunity Assessment *.25 TO 1.25 semester hours*
- MBAP 6750 Business in the International Environment I *2 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*
- MBAP 6850 Ethics and Spirituality in the Workplace *.5 semester hours*

Total: 11.25 semester hours

Module 4: Executive Leadership in Practice

The focus of this module is executive leadership in practice. Courses integrate the insights and skills gained in prior modules, applying them in the program's capstone international-based project and the leader's role in managing major organizational transformations.

The experience includes:

- MBAP 6230 Financing Expansion and Resolving Growth Issues *1.5 semester hours*
- MBAP 6710 Strategic Opportunity Assessment *.25 TO 1.25 semester hours*
- MBAP 6720 Strategic Opportunity Implementation *3 semester hours*
- MBAP 6730 International Negotiations *.5 semester hours*
- MBAP 6760 Business in the International Environment II *1.5 semester hours*
- MBAP 6830 Executive Leadership *1.5 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*
- MBAP 6850 Ethics and Spirituality in the Workplace *.5 semester hours*

Total: 10.25 semester hours

Total: 56 semester hours

LMU College of Communication and Fine Arts

## **Administration**

Dean: Bryant Keith Alexander

Associate Dean: Michele Hammers

Assistant Dean: Elaine P. Walker

## **Mission of the College**

Grounded in and sustained by a significant commitment to an excellent liberal education, the LMU College of Communication and Fine Arts aims to promote the Mission of Loyola Marymount University in the following ways:

*Foster the encouragement of learning in all of our academic programs and endeavors;*

*Contribute in a distinctive way to the education of the whole person;*

*Create in our own community and in the larger community beyond LMU the individual and collective resources and orientations that will allow us to create a more compassionate and just world.*

The College of Communication and Fine Arts creates an environment conducive to understanding the complex phenomena of art and art making as well as human communication in all its diverse forms. Driven by a passionate commitment to study, understand, and experience human creative expression requires that we assist students and our various publics in adopting a critical and discerning orientation to human artistic and communicative expression. We develop both the capacity for human artistic expression and the capacity for other forms of communication as life-enhancing opportunities to promote the common good and contribute to the full development of our students, faculty, staff, alumni, and those we serve beyond LMU.

Our undergraduate programs in Art and Art History, Communication Studies, Dance, Music, and Theatre Arts and our graduate program in Marital and Family Therapy (grounded in clinical art therapy) foster deep inquiry into the processes and artifacts of human expression and their capacity to shape life's experiences, meanings, and expectations. We are intrigued by the ways in which art and communication reveal human interiority in all its mysterious and complex diversity. Ultimately, our shared objective is to create and sustain a learning community composed of individuals, each more fully alive, more capable of experiencing

life in all its complexity, in order to assist all to live more meaningful and productive lives. Our educational programs and personal interactions with students motivate them to continue learning throughout their lives. Our courses and programs are embedded in a learning community characterized by close contact between faculty, staff, and students that encourages students and their mentors to realize our individual and collective potential to make meaningful contributions to a world in need of our most discerning intelligence and our most creative and compassionate responses. In order to respond most effectively to a challenging and diverse world, the College develops its curricular and program initiatives to promote specific student learning outcomes, developing in them the capacity to make informed, capable, and compassionate contributions through their professional lives and their personal relationships.

## **College of Communication and Fine Arts Student Learning Outcomes**

By engaging and fully participating in academic programs in the College of Communication and Fine Arts, our students should develop a critical understanding of:

- The history, theories, techniques, approaches, and orientations appropriate to their academic disciplines in the arts, communication studies, and marital and family therapy (clinical art therapy)
- The ways this body of knowledge and its distinctive understandings relate to and inform other ways of knowing and other forms of human expression in all its diversity
- The significant consequences and potentially transformative impact of our individual and collective capacity to create or to communicate something that would not exist were it not for our own expression.

By engaging and fully participating in academic programs in CFA, our students should be able to:

- Integrate and incorporate the knowledge of their disciplines into their own work in a creative and increasingly accomplished way
- Develop the capacity to be receptive to the critiques of others and to be deeply self-reflective about their own work
- Experience their work as central to their own personal development and accept their responsibility to other people and the world we share
- Offer discerning responses to the human expressions and created art works of others
- Collaborate with others in exploring how to create and communicate, bringing the interior world of our private selves into the public sphere in ways that engage and enlighten.

By engaging and fully participating in academic programs in CFA, our students should value:

- Imagination, intuition, and spirituality as an essential part of life
- The power of human creativity and human communication to transform our innermost private lives and our relationships in an increasingly diverse and complex public sphere
- The complexity and diversity of human experience reflected in an openness to respond to other people from varied backgrounds, cultures, and belief systems in a socially just and compassionate way
- The role that the arts and communication play in creating and re-creating cultures, meanings, and expectations that shape our lives in profound ways.

## **Application of General University Requirements**

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the College of Communication and Fine Arts.

## **Teacher Preparation Program**

The College of Communication and Fine Arts offers a subject matter preparation program in art education specially designed to meet the State of California subject matter requirements for a secondary credential. The Bachelor of Arts degree with an emphasis in Art Education is designed to allow completion of the California Preliminary Single Subject (Secondary) credential in four years. This program is offered in conjunction with the School of Education. All students interested in teaching art at a secondary level should contact Teresa I. Lenihan as soon as possible and should also contact the School of Education to arrange a time to attend an Undergraduate Information Session.

## **College Curriculum**

The curriculum of each department in the College of Communication and Fine Arts incorporates required courses in general education, major sequences, and elective courses which complement and enhance the student's major field of concentration.

## **Total Program**

120 semester hours are required for graduation with the following distribution (Dance, Music, Studio Arts, Theatre Arts):

1. At least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the College of Communication and Fine Arts.

124 semester hours are required for graduation with the following distribution (Art History, Communication Studies)

1. At least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the College of Communication and Fine Arts.

## **Individualized Study Program**

Admission to the Individualized Study Program in Communication and Fine Arts is granted in limited cases based on a series of discipline-based requirements. In all cases a student must have:

1. A B (3.0) grade point average.
2. The submission of an Individualized Study Program form delineating courses and signed by the student's advisor and the chairperson of the advisor's department.
3. The submission by the advisor of a complete curriculum.
4. The signature of the Dean(s) of the College(s) where coursework resides.

All subsequent changes in the Individualized Study Program require points 2, 3, and 4 above.

Students registering for an Individualized Study Program are advised that their diploma and transcript will read "Individualized Study" and not the specific major they elect within that program.

## **Art and Art History**

### **Faculty**

Chairpersons: Damon Willick (Art History Chair), Saeri Cho Dobson (Studio Arts Chair)

Professors: Michael Brodsky, Jane Brucker, Han Dai-Yu, Saeri Cho Dobson, Rudolf Fleck, Dmitry Kemell, Garland P. Kirkpatrick, Teresa I. Lenihan, Diane M. Meyer, Teresa Muñoz, Kirstin J. Noreen, Rev. Michael R. Tang, Damon Willick

Assistant Professors: Amanda Herring, Melody N. Rodari

Clinical Assistant Professors: Masaru (Macha) Suzuki, Selwa Sweidan

Artist-in-Residence Clinical Assistant Professor: William Pupa

### **Mission**

Within the framework of the University's mission, the Department of Art and Art History is committed to giving students educational opportunities combining creativity, professional, and scholarly study in the visual arts.

### **Objectives**

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

### **Degrees**

Two majors are offered, Studio Arts and Art History.

Students may also complete a minor.

The Department is a fully accredited member of the National Association of Schools of Art and Design.

### **Semester Hours**

For studio classes, a semester hour of credit, one unit, represents three hours of work each week. In lecture and seminar courses, an hour of credit represents one hour each week in class and two hours of work outside of class.

### **Bachelors**

### **Art History, B.A.**

The major in Art History is designed to increase the student's understanding of the meaning and purpose of the visual arts across cultures and time. Utilizing an interdisciplinary approach, courses examine the historical development, formal expression, and societal role of visual culture, art, and architecture.

## Goals for Art History Majors

Courses expose students to a broad understanding of world history through the visual arts, providing a full awareness of the historical, theoretical, and cultural contexts of the works of art. In addition, classes foster excellent research skills, critical thinking, and advanced writing in preparation for graduate studies or professional careers.

### Objectives

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

### Student Learning Outcomes

Students majoring in Art History should be able to:

- Demonstrate that they comprehend historical contexts for diverse artistic traditions.
- Exhibit knowledge of the impact of diverse cultural contexts on the production and understanding of artistic traditions.

Students majoring in Art History should know:

- Methods for analyzing works of visual culture, art, and architecture within their appropriate historical, social, religious, and philosophical contexts.
- How to think critically and articulate clear ideas about visual culture, art, and architecture and their historical and contemporary significance.
- The necessary research and writing skills to formulate and articulate meaningful statements and documents on visual culture, art, and architecture.

Students majoring in Art History are presented with the opportunity to value:

- The aesthetic, theoretical, and historical properties of works of visual culture, art, and architecture.
- The power of visual culture to communicate deep human ideas and emotions.

### Major Requirements

Lower Division Requirements:

ARHS 2000, ARHS 2002, ARHS 2004, and one lower division Studio Arts course.

Upper Division Requirements:

A total of a minimum of 24 semester hours of upper division courses, including:

- At least 2 non-Western Art History classes (minimum of 3 semester hours per class) from the following listings: ARHS 33xx or ARHS 43xx
- At least 3 additional Art History classes (minimum of 3 semester hours per class). It is recommended that students select coursework with an advisor to ensure geographic and chronological breadth of

subject matter.

- ARHS 4800

Required:

A total number of 39 semester hours for the Art History major. To meet the total number of required semester hours, students may need to take additional upper division art history electives.

A minimum cumulative GPA of 2.0 (C) must be obtained in the major requirements.

A minimum cumulative GPA of 2.5 is required for changing a major into the department.

Highly Recommended:

One full year of college-level foreign language (French or German recommended if considering graduate school).

Art History Model Four-Year Plan

Freshman Year

Fall Semester

- ARHS 2000 Foundations of Western Art *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

Sophomore Year

Fall Semester

- ARHS 2004 Modernism *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- ARHS Upper Division *4 semester hours*
- Lower Division ART Elective *3 semester hours*

- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours

Junior Year

Fall Semester

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours* or
- ARHS Upper Division *4 semester hours*
- ARHS Upper Division - Non-Western *4 semester hours*
- University Core *3-4 semester hours*
- Elective (Language Recommended) *4 semester hours*

Total: 15-16 semester hours

Spring Semester

- ARHS Upper Division - Non-Western *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective (Language Recommended) *4 semester hours*

Total: 14-16 semester hours

Senior Year

Fall Semester

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours* or
- ARHS Upper Division *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Spring Semester

- ARHS Upper Division *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an

advisor.

## **Studio Arts, B.A.**

### **Description and Goal**

The B.A. in Studio Arts provides a broad conceptual and formal foundation in the fundamental principles of art design and technology within a liberal arts education.

Students develop visual and cultural literacies through: Individual artistic, creative, and theoretical exploration; Art-historical, exhibition-oriented, and curatorial endeavors; Interdisciplinary and entrepreneurial engagements; a social justice oriented lens.

Using the creative landscape of Los Angeles, the programs in studio arts provide a student-focused art and design education which prepares them for careers and/or graduate studies in the fine arts, graphic design, multimedia arts, and art education disciplines.

Students are required to declare their chosen emphasis during the first semester sophomore year. Entering transfer students are required to declare their chosen emphasis at the time of registration for classes.

The goal of all areas is to encourage individual creative exploration and to develop student understanding of artistic and cultural expression.

#### Objectives

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

#### Student Learning Outcomes

Students majoring in Studio Arts (STAR) should know:

- The basic definitions, concepts, and techniques in visual arts
- How to discover their unique capabilities and personal artistic expression
- How to solve creative and aesthetic problems in the visual arts.

Students majoring in Studio Arts (STAR) should be able to:

- Represent a distinct sensibility
- Make artistic decisions based on an awareness of traditional and current art movements and technological advancements
- Expand their cultural and critical view of the history of art
- Critically analyze and assess artworks and concepts
- Prepare a portfolio needed to enter graduate studies or a professional career.

Students majoring in Studio Arts (STAR) are encouraged to value:

- The on-going learning and development of overall technical knowledge
- The abilities of others
- Expertise in the arts
- The awareness of art history within the larger human context

- The pursuit of new skills and insights for personal growth
- Service to others and the promotion of justice.

## General Information

Students in Studio Arts (STAR) are expected to engage in studio work in addition to scheduled class time. Most studios are open to enrolled students outside of class time on a 24-hour basis. For studio classes, students should anticipate approximately three hours of outside of class studio work every week for each semester hour of course credit. In lecture and seminar courses, students should anticipate approximately one hour each week in class and two hours of work outside of class for each semester hour of course credit.

### Required:

- A minimum cumulative GPA of 2.0 (C) must be obtained in the major requirements.
- A minimum cumulative GPA of 2.5 or the Consent of the Chair is required for changing a major into the department.

## Art Education Emphasis (ARTE)

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for a career in education or other related careers. Students interested in teaching the visual arts in public secondary schools and earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Education (EDUC), and the requirements for a single subject credential in Art (SECR). With the help of their advisors, students can carefully design a schedule to complete this credential program during their four years at LMU. Students who seek graduation with an Art Education Emphasis and a teaching credential should ideally declare the Art Education Emphasis as a freshman. This art education program is offered in collaboration with the School of Education and is considered a waiver to the CSET in Art exam, a credential requirement that demonstrates subject matter competency in fine arts. The LMU Secondary Teacher Preparation Program in Art is approved by the California Commission on Teacher Credentialing. Along with this undergraduate credential pathway, ARTE is also an excellent foundation for students interested in going on to graduate studies in education or art education, and related fields such as art therapy, museum education, social practice, and arts management.

## Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take POLS 1200 U.S. Politics that fulfills the Constitution requirement and the Understanding Human Behavior Core requirement.

## Lower Division Requirements

27 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*

- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*

Foundation Studio Arts focus: *3 semester hours*

- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 278 Ceramics I: Earth and Art *3 semester hours* or
- ART 280 Photography I *3 semester hours* or
- ART 285 Introduction to Printmaking *3 semester hours*

#### Recommended Course

- ART 210 Portfolio Workshop in Studio Arts *1 semester hours*

#### Upper Division Requirements

29 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
- ART 490 Senior Design Thesis *3 semester hours* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours*
- 9 semester hours of Upper Division ART Electives \*
- ARHS 4630 Contemporary Art *4 semester hours*

#### A Non-Western Art History Course

Choose one class from:

- ARHS 3311 Pre-Columbian Art *4 semester hours*
- ARHS 3331 Arts of Africa *4 semester hours*
- ARHS 3341 Arts of Islam *4 semester hours*
- ARHS 3351 Arts of Asia *4 semester hours*
- ARHS 4301 Arts of India *4 semester hours*
- ARHS 4303 Arts of China *4 semester hours*
- ARHS 4305 Arts of Southeast Asia *4 semester hours*
- ARHS 4307 Arts of Japan *4 semester hours*
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)

Note:

#### **\*Studio Arts Focus Requirement:**

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select

both lower and upper division courses from within the same Studio Arts Focus. Courses must be selected under the advisement of the Director of Art Education.

## Art Education Emphasis Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- ART 154 Drawing II: Figure Drawing *3 semester hours* (Studio Arts Focus Lower Division) or
- ART 278 Ceramics I: Earth and Art *3 semester hours* (Studio Arts Focus Lower Division) or
- ART 280 Photography I *3 semester hours* (Studio Arts Focus Lower Division) or
- ART 285 Introduction to Printmaking *3 semester hours* (Studio Arts Focus Lower Division)
  
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (recommended)
- ART 260 Computer Graphics I *3 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

### Sophomore Year

#### Fall Semester

- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
  
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- ART Upper Division - Intermediate Studio Arts Focus *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

Junior Year

Fall Semester

- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  
- ART Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

Spring Semester

- ART 355 Experiencing Art and Social Justice *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

Senior Year

Fall Semester

- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
- ART Upper Division - Advanced Studio Arts Focus *3 semester hours*
- ARHS 4630 Contemporary Art *4 semester hours*
  
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-18 semester hours

Spring Semester

- ART 490 Senior Design Thesis *3 semester hours* \* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours*
  
- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or

- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is studied)

- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-19 semester hours

Notes:

\* Students following the Art Education Emphasis with a Studio Arts Focus in Design must complete all prerequisites before enrolling in ART 490.

This schedule is typical. The sequence and choices of courses must be decided in consultation with the Director of Art Education.

It is recommended that each Art Education student consider declaring a minor. A semester of international study is also recommended. Consult the Study Abroad Office.

Art Education Emphasis with a minor in Secondary Education and a California Single Subject Teaching Credential in Art

Secondary Teacher Preparation in Art

The Secondary Teacher Preparation Program (STPP) for Art is designed for students who anticipate teaching Art in grades 6-8 or 9-12. Because of all the rigorous standards set by the State of California for teaching credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning however, it is possible to complete a major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for Art, and the School of Education credential requirements in four years.

Secondary Teacher Preparation Program in Art Requirements for a Major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE)

Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take POLS 1200 U.S. Politics that fulfills the Constitution requirement and the Understanding Human Behavior Core requirement.

Lower Division Requirements

26 semester hours of lower division courses:

- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*

- ART 257 Painting I *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
  
- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 278 Ceramics I: Earth and Art *3 semester hours* or
- ART 280 Photography I *3 semester hours* or
- ART 285 Introduction to Printmaking *3 semester hours* as the foundation for the Studio Arts Focus.

#### Recommended Courses

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours*

#### Upper Division Requirements

29 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
  
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  
- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
  
- ART 490 Senior Design Thesis *3 semester hours* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours* (must take for 3 semester hours)
  
- 9 semester hours of upper division ART electives\*
- ARHS 4630 Contemporary Art *4 semester hours*

#### And an upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- any non-Western ARHS 4998 course (if a non-Western topic is to be studied)

Note:

## **\*Studio Arts Focus Requirement**

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts focus. Courses must be selected under the advisement of the Director of Art Education.

### School of Education Requirements

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 517 Secondary Content Methodology for Teaching Art *3 semester hours* (see ART 455)
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*

### School of Education Credential Requirements (Non-Degree Requirements):

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by completing 3 semester hours of EDES 518 Secondary Teaching Seminar and 2-5 semester hours of EDES 534 Secondary Clinical Supervision 4, which are applied toward both the semester hour requirement for the baccalaureate degree in Art and the requirements for the preliminary credential within the state of California. Student teaching is met through elective units taken as EDES 518 Secondary Teaching Seminar and EDES 534 Secondary Clinical Supervision 4.

### **Advising**

Students should consult with the **Director of Art Education**, Terry Lenihan at [tlenihan@lmu.edu](mailto:tlenihan@lmu.edu) to sign up for the program and to discuss their course of study, especially their Art courses.

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact [cutp@lmu.edu](mailto:cutp@lmu.edu) for more information.

### **School of Education Admission:**

Students interested in adding a preliminary credential in Art must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here: Undergraduate Teacher Preparation--Secondary Education.

Art Education Emphasis with State of California Single Subject Teaching Credential in Art Model Four-Year Plan

Freshman Year

## Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

## Spring Semester

- ART 154 Drawing II: Figure Drawing *3 semester hours* Studio Arts Focus Lower Division or
- ART 278 Ceramics I: Earth and Art *3 semester hours* Studio Arts Focus Lower Division or
- ART 280 Photography I *3 semester hours* Studio Arts Focus Lower Division or
- ART 285 Introduction to Printmaking *3 semester hours* Studio Arts Focus Lower Division
  
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (recommended)
- ART 260 Computer Graphics I *3 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

## Sophomore Year

### Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
  
- ART Upper Division--Intermediate Studio Arts Focus *3 semester hours*
  
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
  
- Any non-Western ARHS 4998 course *4 semester hours*

- University Core 3-4 *semester hours*

Total: 16-17 semester hours

### Junior Year

#### Fall Semester

- ART 396 Design Praxis: Professional Practices in Design 3 *semester hours* \* or
- ART 397 Professional Practices in Fine Arts 3 *semester hours*
  
- ART Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 12-14 semester hours

#### Spring Semester

- EDES 505 Perspectives and Policies that Guide Education 2 *semester hours*
- EDES 506 Using Technology in the Classroom 1 *semester hours*
- ART 355 Experiencing Art and Social Justice 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-18 semester hours

### Senior Year

#### Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations 3 *semester hours*
- EDES 519 Clinical Supervision 1 1 *semester hours*
- EDES 532 Secondary Clinical Supervision 2 1 *semester hours*
- ART 455 Methods in Teaching Secondary Art 3 *semester hours* (see EDES 517)
- ART Upper Division - Advanced Studio Arts Focus 3 *semester hours*
- ARHS 4630 Contemporary Art 4 *semester hours*

Total: 15 semester hours

#### Spring Semester

- EDES 511 Content Literacy for Single Subject Educators 3 *semester hours*
- EDES 518 Secondary Teaching Seminar 3 *semester hours*
- EDES 533 Secondary Clinical Supervision 3 1 *semester hours*
- EDES 534 Secondary Clinical Supervision 4 2 TO 5 *semester hours*

- ART 490 Senior Design Thesis *3 semester hours* \* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours*

Total: 12-15 semester hours

Note:

\* Students following the Art Education Emphasis with a Studio Arts Focus in Design must complete all prerequisites prior to enrolling in ART 490.

This schedule is typical. The sequence and choices of courses must be decided in consultation with the Director of Art Education and advisors from the School of Education.

**All students interested in art education are required to consult closely with the CFA Dean's office, the Director of Art Education, and the School of Education for the updated program requirements. Consultation is critical to ensure timely completion of the programs. Additionally, students should contact the School of Education to arrange a time to attend an Undergraduate Information Session.**

Fine Arts Emphasis

Major Requirements

Fine Arts Emphasis majors choose a concentration in:

**Ceramics (FACR),  
Drawing/Painting (FADP),  
Photography (FAPH),  
Printmaking (FAPR),  
or Individualized Studies (FAIS)**

then select both lower and upper division courses from within the same concentration.

Lower Division Requirements:

27 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ARHS 2004 Modernism *4 semester hours*

And 6 semester hours from one of the concentrations listed below.

Ceramics:

- ART 276 Ceramic Sculpture *3 semester hours*
- ART 278 Ceramics I: Earth and Art *3 semester hours*

Drawing/Painting:

- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 257 Painting I *3 semester hours*

Photography:

- ART 280 Photography I *3 semester hours*
- ART 285 Introduction to Printmaking *3 semester hours*

Printmaking:

- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 285 Introduction to Printmaking *3 semester hours*

Upper Division Requirements:

28 semester hours of upper division courses:

12 semester hours from one of the concentrations listed below

Ceramics:

- ART 370 Beginning Wheel Throwing *3 semester hours*
- ART 371 Advanced Wheel Throwing *1 TO 3 semester hours*
- ART 378 Drawing and Clay *3 semester hours*
- ART 478 Ceramics Workshop *3 semester hours*

Drawing/Painting:

Choose from

- ART 300 Figure Drawing Workshop *1 semester hours*
- ART 310 Drawing Workshop *1 semester hours*
- ART 332 Eastern Immersion *3 semester hours*
- ART 333 Visualizing Literature *3 semester hours*
- ART 334 Animal Drawing *3 semester hours*
- ART 335 Constructing Perspective and Geometry *3 semester hours*
- ART 352 Principles of Color *3 semester hours*
- ART 356 Painting II *3 semester hours*
- ART 358 Painting III *3 semester hours*
- ART 378 Drawing and Clay *3 semester hours*
- ART 398 Special Studies *1 TO 3 semester hours*
- ART 453 Drawing III: Formal Issues *3 semester hours*
- ART 454 Drawing IV: Figure Composition *3 semester hours*

Recommended:

- ART 385 Relief Printmaking *3 semester hours*
- ART 386 Etching Printmaking *3 semester hours*
- ART 389 Lithography Printmaking *3 semester hours*

Photography:

- ART 379 Special Topics in Photography 3 semester hours (can be taken up to four times for credit)
- ART 380 Photography II 3 semester hours
- ART 480 Color Photography 3 semester hours
- ARHS 3540 Social and Aesthetic History of Photography 3 semester hours

Recommended:

- ART 382 Digital Photography 3 semester hours

Printmaking:

- ART 485 Advanced Printmaking 1 TO 3 semester hours

Choose 3 courses from:

- ART 385 Relief Printmaking 3 semester hours
- ART 386 Etching Printmaking 3 semester hours
- ART 387 Silkscreen Printmaking 3 semester hours
- ART 389 Lithography Printmaking 3 semester hours

Recommended:

- ART 453 Drawing III: Formal Issues 3 semester hours
- ART 368 Typography I 3 semester hours

- ART 380 Photography II 3 semester hours or
- ART 382 Digital Photography 3 semester hours

Fine Arts Emphasis 6 semester hours of ART electives

An additional 6 semester hours

- ART 397 Professional Practices in Fine Arts 3 semester hours
- ART 497 Senior Thesis in Fine Arts 3 semester hours

And an upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art 4 semester hours or
- ARHS 3331 Arts of Africa 4 semester hours or
- ARHS 3341 Arts of Islam 4 semester hours or
- ARHS 3351 Arts of Asia 4 semester hours or
- ARHS 4301 Arts of India 4 semester hours or
- ARHS 4303 Arts of China 4 semester hours or
- ARHS 4305 Arts of Southeast Asia 4 semester hours or
- ARHS 4307 Arts of Japan 4 semester hours or
- any non-Western ARHS 4998 course (if a non-Western topic is to be studied)

Fine Arts Emphasis Model Four-Year Plan

Freshman Year

Fall Semester

- ART 110 Freshman Workshop in Studio Arts 1 semester hours

- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

#### Spring Semester

- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ART 260 Computer Graphics I *3 semester hours* or
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (Recommended)
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 17-20 semester hours

#### Sophomore Year

##### Fall Semester

- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ART 260 Computer Graphics I *3 semester hours* or
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
- ART Concentration Lower Division *3 semester hours*
- University Core *3-4 semester hours*

Total: 13-14 semester hours

##### Spring Semester

- ARHS 2004 Modernism *4 semester hours*
- ART Concentration Lower Division *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-19 semester hours

Junior Year

Fall Semester

- ARHS 3311 Pre-Columbian Art *4 semester hours*
  - ARHS 3331 Arts of Africa *4 semester hours* or
  - ARHS 3341 Arts of Islam *4 semester hours* or
  - ARHS 3351 Arts of Asia *4 semester hours* or
  - ARHS 4301 Arts of India *4 semester hours* or
  - ARHS 4303 Arts of China *4 semester hours* or
  - ARHS 4305 Arts of Southeast Asia *4 semester hours* or
  - ARHS 4307 Arts of Japan *4 semester hours* or
  - ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)
- 
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  - ART Concentration Upper Division *3 semester hours*
  - University Core *3-4 semester hours*
  - Elective *3-4 semester hours*

Total: 16-18 semester hours

Spring Semester

- ART Concentration Upper Division *3 semester hours*
- 
- ART Concentration Upper Division for Ceramics, Drawing/Painting, Photography *3 semester hours*  
or
  - ART Elective Upper Division for Printmaking *3 semester hours*
- 
- University Core *3-4 semester hours*
  - University Core *3-4 semester hours*
  - Elective *3-4 semester hours*

Total: 15-18 semester hours

Senior Year

Fall Semester

- ART Elective Upper Division *3 semester hours*
- 
- ART Concentration Upper Division for Ceramics, Photography, Printmaking *3 semester hours* or
  - ART Elective Upper Division for Drawing/Painting *3 semester hours*
- 
- University Core *3-4 semester hours*
  - Elective *3-4 semester hours*
  - Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- ART 497 Senior Thesis in Fine Arts *3 semester hours* (3 semester hours required)
- ART Concentration Upper Division for Drawing/Painting, Printmaking *3 semester hours* or
- ART Elective Upper Division for Ceramics, Photography *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-14 semester hours

#### Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

#### Graphic Design Emphasis (GRPH)

Designers shape the way we see and understand the world by giving form to the objects, communications, and environments that make up our everyday experiences.

Through typography, image making, and visual storytelling, designers visualize the issues that permeate our society, and pose innovative solutions with the potential to affect change on a local, national, and global scale. At LMU, Graphic Design is integral to the liberal arts experience. We cultivate difference-makers who identify and explore the most pressing problems of our world. We believe the greatest potential for graphic design goes far beyond its history of service to consumerism. The ubiquity of design and its potential to transform our world has never been greater. As electronic media rapidly evolves, so does Design's ability to influence the quality of our lives. LMU's graphic designers take a compassionate approach, promoting social justice and realizing societal change through social discourse and entrepreneurship.

#### Major Requirements

##### Lower Division Requirements:

26 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 257 Painting I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours* or

- ART 276 Ceramic Sculpture *3 semester hours*
- ART 280 Photography I *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours* or
- ARHS 2004 Modernism *4 semester hours*
- ARHS 2510 Social Design *3 semester hours*

Upper Division Requirements:

34 semester hours of upper division courses:

- ART 302 Design: Concept to Form *3 semester hours*
- ART 303 Experimental Typography *3 semester hours*
- ART 360 Graphic Design I *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ART 460 Graphic Design II *3 semester hours*
- ART 468 Typography II *3 semester hours*
- ART 490 Senior Design Thesis *3 semester hours*
- ARHS 3560 History of Design *3 semester hours*
- and two courses from either **A. Intensive Professional Track** or **B. Interdisciplinary Track** (see below)

And one upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)

a. Intensive Professional Track

This spectrum of studio electives is designed to broaden the outlook on the design professions. The following courses should be selected in consultation with an advisor:

- ART 362 Creative Direction *3 semester hours*
- ART 367 Online Computer Arts *3 semester hours*
- ART 374 Motion Graphics *3 semester hours*
- ART 395 Design Entrepreneurship *3 semester hours*
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours*

- ART 495 Advanced Studio Studies 1 TO 3 semester hours

#### b. Interdisciplinary Track

This spectrum of studio electives is designed to broaden the outlook on graphic design as an aesthetic practice. The following courses should be selected in consultation with an advisor:

- ART 355 Experiencing Art and Social Justice 3 semester hours
- ART 366 Multimedia Narratives 3 semester hours
- ART 382 Digital Photography 3 semester hours
- ART 453 Drawing III: Formal Issues 3 semester hours
- ART 480 Color Photography 3 semester hours
- ART 495 Advanced Studio Studies 1 TO 3 semester hours

#### Graphic Design Emphasis Model Four-Year Plan

##### Freshman Year

###### Fall Semester

- ART 110 Freshman Workshop in Studio Arts 1 semester hours
- ART 153 Drawing I 3 semester hours
- ART 160 Two-Dimensional Design 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours

###### Spring Semester

- ART 154 Drawing II: Figure Drawing 3 semester hours or
- ART 257 Painting I 3 semester hours
- ART 210 Portfolio Workshop in Studio Arts 1 semester hours (recommended)
- ART 260 Computer Graphics I 3 semester hours or
- Elective 3-4 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 16-20 semester hours

##### Sophomore Year

###### Fall Semester

- ART 260 Computer Graphics I 3 semester hours or
- Elective 3-4 semester hours

- ART 275 Three-Dimensional Design 3 *semester hours* or
- ART 276 Ceramic Sculpture 3 *semester hours*

- ARHS 2510 Social Design 3 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

#### Spring Semester

- ART 280 Photography I 3 *semester hours*
- ART 368 Typography I 3 *semester hours*
- ARHS 2000 Foundations of Western Art 4 *semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern 4 *semester hours* or
- ARHS 2004 Modernism 4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 16-18 semester hours

#### Junior Year

##### Fall Semester

- ART 302 Design: Concept to Form 3 *semester hours*
- ART 360 Graphic Design I 3 *semester hours* or
- ART 468 Typography II 3 *semester hours*
- ARHS 3560 History of Design 3 *semester hours* or
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-18 semester hours

##### Spring Semester

- ART 360 Graphic Design I 3 *semester hours* or
- ART 468 Typography II 3 *semester hours*

- ART Elective from Professional or Interdisciplinary Track *3 semester hours* or
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- ARHS 3560 History of Design *3 semester hours* or
- Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-19 semester hours

Senior Year

Fall Semester

- ART 460 Graphic Design II *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- ART Elective from Professional or Interdisciplinary Track *3 semester hours*

And choose one upper division non-Western Art History from:

- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)

Total: 13-15 semester hours

Spring Semester

- ART 490 Senior Design Thesis *3 semester hours*
- ART 303 Experimental Typography *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

Note:

This represents a typical schedule. Actual course sequence and selection must be planned in consultation with an advisor.

### Multimedia Arts Emphasis (MTMA)

Students who elect a Multimedia emphasis are interested in a future of authoring and designing in a world of new media and emerging technologies. Courses are designed as dynamic portals into the areas of digital imaging and photography, interaction design and online experiences, motion graphics design, 3D scenarios, as well as audio-video production. The career outlook for multimedia arts students at Loyola Marymount University is very encouraging. The Multimedia Internship that students are required to take provides real-world experience with galleries, agencies, and production studios. Multimedia Arts students have the opportunity to hone in their creative and professional interests while having the flexibility of concentrating in the following areas: TEXT, IMAGE, SOUND, or MOTION.

### Major Requirements

#### Lower Division Requirements:

23-25 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 182 Programming for Creative Applications *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ARHS 2004 Modernism *4 semester hours*
- ARHS 2540 Multimedia Art Survey *3 semester hours*

Students choose a concentration

in Text, Image, Sound, or Motion, then choose both lower and upper division courses from within that same concentration. In consultation with an advisor, students may select an individualized option in Multimedia Arts Concentrations.

#### Text:

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ENGL 2201 Genres: Poetry *4 semester hours*
- ENGL 2202 Genres: Fiction *4 semester hours*
- SCWR 220 Feature Story Development *3 semester hours*

#### Image:

- ART 153 Drawing I *3 semester hours*
- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 280 Photography I *3 semester hours*
- PROD 180 Pre-Production *3 semester hours*
- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- PROD 330 Media Innovation: Small Format Video and the Web *3 semester hours*
- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours*

#### Sound:

- MUSC 102 Enjoyment of Music *3 semester hours*
- MUSC 104 Fundamentals of Music *3 semester hours*
- MUSC 105 The Vocal Experience *3 semester hours*
- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*
- RECA 250 Sound Design *3 semester hours*
- THEA 110 Beginning Acting *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*

Motion:

- ANIM 120 Beginning Animation Workshop *3 semester hours*
- ANIM 220 Intermediate Animation Workshop *3 semester hours*
- ANIM 230 Introduction to 3D Computer Animation *3 semester hours*
- ANIM 250 Introduction to Interactive Animation *3 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 163 Introduction to Choreography *3 semester hours*
- PROD 180 Pre-Production *3 semester hours*
- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- PROD 330 Media Innovation: Small Format Video and the Web *3 semester hours*
- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours*

Upper Division Requirements:

33-34 semester hours of upper division courses:

- ART 363 3D Digital Toolbox *3 semester hours*
- ART 366 Multimedia Narratives *3 semester hours*
- ART 367 Online Computer Arts *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ART 374 Motion Graphics *3 semester hours*
- ART 382 Digital Photography *3 semester hours*
- ART 383 Advanced Multimedia *3 semester hours*
- ART 494 Multimedia Internship *3 semester hours*
- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours* or
- ARHS 3560 History of Design *3 semester hours* or
- ARHS 4630 Contemporary Art *4 semester hours*

Choose two courses from one of the following concentrations:

Text, Image, Sound, or Motion below. In consultation with an advisor, students may select an Individualized option in Multimedia Arts concentrations.

Text:

- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours*
- ARHS 4640 Modern and Contemporary Art Criticism *4 semester hours*
- ARHS 3560 History of Design *3 semester hours*
- ART 303 Experimental Typography *3 semester hours*

- ART 360 Graphic Design I 3 semester hours
- ART 362 Creative Direction 3 semester hours
- ENGL 4411 Fiction Writing Workshop: Narrative and Style 4 semester hours
- ENGL 4412 Poetry Writing Workshop: Imagination 4 semester hours
- SCWR 320 Feature Screenplay: Writing the First Draft 3 semester hours
- THEA 400 Playwriting 3 semester hours

Image:

- ART 303 Experimental Typography 3 semester hours
- ART 356 Painting II 3 semester hours
- ART 360 Graphic Design I 3 semester hours
- ART 362 Creative Direction 3 semester hours
- ART 380 Photography II 3 semester hours
  
- ART 453 Drawing III: Formal Issues 3 semester hours or
- ART 454 Drawing IV: Figure Composition 3 semester hours
  
- ART 480 Color Photography 3 semester hours
- PROD 341 Cinematography I 3 semester hours
- PROD 366 Post-Production I 3 semester hours

Sound:

- MUSC 303 Introduction to World Music Cultures 3 semester hours
- MUSC 304 Topics in World Music Cultures 3 semester hours
- RECA 393 Movie Music 3 semester hours
- RECA 398 Special Studies 1 TO 3 semester hours
- RECA 468 Advanced Post-Production Sound 3 semester hours
- RECA 498 Special Studies 1 TO 3 semester hours
- THEA 312 Voice Development 3 semester hours

Motion:

- ANIM 310 Intermediate Storyboard 3 semester hours
- ANIM 320 Mechanics of Animation 3 semester hours
- ANIM 330 Intermediate 3D Computer Animation 3 semester hours
- ANIM 450 Advanced Interactive Animation 3 semester hours
- ANIM 352 Game Design 3 semester hours
- ANIM 360 Character Design 3 semester hours
- ANIM 370 Character Animation 3 semester hours
- ANIM 380 Visual Effects Compositing 3 semester hours
- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society 3 semester hours
- DANC 397 Dance in Its Cultural Context 0 TO 2 semester hours
- PROD 341 Cinematography I 3 semester hours
- PROD 366 Post-Production I 3 semester hours

Recommended Courses

It is also recommended that the student take additional courses in Animation, Studio Arts, Art History, Communication Arts, and Computer Science.

## Multimedia Arts Emphasis Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (Recommended)

Total: 13-17 semester hours

### Sophomore Year

#### Fall Semester

- ART 260 Computer Graphics I *3 semester hours*
- ART 182 Programming for Creative Applications *3 semester hours*
- ARHS 2004 Modernism *4 semester hours*
- Concentration (Lower Division) *3 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

#### Spring Semester

- ARHS 2540 Multimedia Art Survey *3 semester hours*
- Concentration (Lower Division) *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Junior Year

## Fall Semester

- ART 366 Multimedia Narratives *3 semester hours*
- ART 368 Typography I *3 semester hours*
  
- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours* or
- ARHS 3560 History of Design *3 semester hours* or
- ARHS 4630 Contemporary Art *4 semester hours*
  
- Concentration (Upper Division) *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

## Spring Semester

- ART 374 Motion Graphics *3 semester hours*
- ART 382 Digital Photography *3 semester hours*
- Concentration (Upper Division) *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- ART 363 3D Digital Toolbox *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

### Spring Semester

- ART 367 Online Computer Arts *3 semester hours*
- ART 383 Advanced Multimedia *3 semester hours*
- ART 494 Multimedia Internship *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Minor

### Art History Minor

Minor Requirements (ARHS)

20 semester hours, including:

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ARHS 2004 Modernism *4 semester hours*
- At least 2 upper division Art History courses selected under the direction of an advisor in the department.

Required:

A total number of 20 semester hours is required for the Art History minor. To meet the total number of required semester hours, students may need to take an additional upper division art history elective.

Recommended:

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours*
- Upper Division ARHS course in non-Western Art (ARHS 33xx or ARHS 43xx) *4 semester hours*

### Studio Arts Minor

Minor Requirements

18 semester hours:

- ART 153 Drawing I *3 semester hours* or
- ART 160 Two-Dimensional Design *3 semester hours*
- 15 semester hours of Studio Arts electives with at least 6 semester hours in upper division courses.

For Animation Majors

- ART 153 Drawing I *3 semester hours* and
- ART 154 Drawing II: Figure Drawing *3 semester hours*
- 12 semester hours of Studio Arts electives with at least 6 semester hours in upper division courses

## Communication Studies

### Faculty

Chairperson: Craig O. Rich

Professors: Bryant Keith Alexander, Paige Pettyjohn Edley, Michele L. Hammers, Dean Scheibel

Associate Professors: Christopher J. Finlay, Nina Maria Lozano, Patricia Oliver, Kyra L. Pearson, Craig O. Rich

Assistant Professors: Shaun M. Anderson, Jason Leigh Jarvis, Meng Li, Allison Noyes

Clinical Professors: Judy Battaglia, James Bunker, Matthew Dewey, Thomas Dowd, Kathleen Norris

Instructors: Rebecca Avalos, Corrina Laughlin

## **Mission**

The Communication Studies Department provides students from across the LMU community with the communication competencies necessary to pursue their personal, professional, and civic goals. Our faculty and students examine how messages and meanings are produced, interpreted, and consumed. In particular, our program rigorously engages the following:

- The production and evaluation of communication messages,
- The role of communication in shaping the performance of identity and community,
- The processes and technologies by which people relate to and collaborate with each other, and
- The importance of principled advocacy across our personal, professional, and public lives.

Throughout all aspects of our program, we encourage self-reflection and critical engagement with disciplinary subject matter and contemporary social and political events at the local and global level. We encourage our students and faculty to nurture personal habits of lifelong learning and service.

In addition, our students and faculty produce scholarship that advances our knowledge of human communication, enhances the quality of public deliberation, and bridges the gap between our curriculum and real world experiences. To serve these goals, the Communication Studies Department creates an environment where students and faculty pursue scholarship, community engagement, and leadership in civic, corporate, and international arenas.

Finally, we develop students' professional competencies and enable them to maximize their post-graduation opportunities for career development. In seeing professional development as a shared responsibility, students are empowered to cultivate their communication skills outside of the classroom through engaged forms of learning and professional development.

## **Bachelors**

### **Communication Studies, B.A.**

#### Student Learning Outcomes

Upon completing the Communication Studies degree, students will be able to:

1. Demonstrate subject matter knowledge of the communication studies discipline, including:
  - The history of the discipline;
  - The nature of theory and its role in the study and practice of human communication; and
  - The foundational theoretical concepts from multiple sub-disciplines within the major.
2. Express ideas and relay information using conventions and forms appropriate to the intended audience.

3. Test or generate new knowledge using research methods appropriate to the communication studies discipline.
4. Articulate the relationship among disciplinary subject matter, research methodologies and one or more non-academic contexts.
5. Demonstrate the value of multiple theoretical, pedagogical, and socio-cultural perspectives.
6. Collaborate effectively and ethically in group problem-solving and decision-making situations.
7. Demonstrate and value respectful engagement with individual and group differences in interactions with all others.
8. Apply ethical standard to communication practices across multiple contexts.
9. Apply communication principles in service of justice for self, others, and society.
10. Innovate, justify, and enact solutions based on: inquiry, discernment, evidence, and analysis.
11. Demonstrate and value the pursuit of ethical actions through critical reason and reflection.
12. Demonstrate and value a self-reflexive approach to the study and practice of communication.

### Potential Career Pathways

A degree in Communication Studies (CMST) from Loyola Marymount University provides students with the opportunity to develop essential skills--writing, oral communication, critical thinking, and teamwork--that are in high demand in today's challenging and ever-changing world.

CMST students take a variety of courses that allow for both depth and breadth of study. We feature a rigorous Internship Practicum course for our juniors and seniors. CMST students often pursue minors in fields such as business, journalism, political science, or the arts to complement their CMST coursework.

With careful academic planning, CMST graduates are prepared for a variety of entry-level positions emphasizing both internal and external communication management across corporate, nonprofit, and/or public fields.

Below are a few of those fields:

- Campaign Strategy
- Corporate and Non-profit Communication
- Social Media Management
- Training and Development
- Development/Fundraising
- Human Resources
- Public Relations, Advertising, Sales, and Marketing

Our graduates often successfully pursue additional education, including advanced degrees, in a variety of academic fields. These fields include:

- Communication Studies and related fields
- Mediation/Conflict Resolution
- Media Studies
- Education
- Law
- Business

Major Requirements: (44 semester hours) (CMST)

Lower Division Requirements:

(24 semester hours of lower division coursework)

- CMST 1600 Nature of Theory *4 semester hours*
- CMST 1700 Nature of Inquiry *4 semester hours*
- CMST 2800 Advanced Public Communication *4 semester hours*

Three of the following five (3 of 5) courses:

- CMST 2100 Relational Communication *4 semester hours*
- CMST 2200 Intercultural Communication *4 semester hours*
- CMST 2300 Organizational Communication *4 semester hours*
- CMST 2400 Contemporary Rhetorical Theory *4 semester hours*
- CMST 2500 Media Studies *4 semester hours*

Upper Division Requirements:

(20 semester hours of upper division coursework)

Four (4) advanced topics courses selected from among a list of approved 3000-level courses:

CMST 3100-3195, CMST 3200-3295, CMST 3300-3395, CMST 3400-3495, CMST 3500-3595, CMST 3600-3695, CMST 3700-3795, CMST 3800-3895. *4 semester hours each course.*

[Course offerings and topics will vary each semester]

One (1) Senior Capstone course from among a list of approved 4000-level courses:

CMST 4100-4195, CMST 4200-4295, CMST 4300-4395, CMST 4400-4495, CMST 4500-4595, CMST 4700-4795. *4 semester hours.*

[Course offerings and topics will vary each semester]

Note:

The Department may offer additional courses that count as University Electives but do not satisfy CMST major requirements. Students should select courses carefully to ensure that all major requirements are being met.

Communication Studies Model Four-Year Plan

Freshman Year

Fall Semester

- CMST 1600 Nature of Theory *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours (see Note 1)

Spring Semester

- CMST 1700 Nature of Inquiry *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

- University Core 3-4 semester hours
- University Core 3-4 semester hours or
- Lower Division Elective 3-4 semester hours (see Note 2)

Total: 13-16 semester hours (see Note 1)

#### Sophomore Year

##### Fall Semester

- CMST 2800 Advanced Public Communication 4 semester hours or
- CMST 2X00 4 semester hours (see Note 3)
- CMST 2X00 4 semester hours (see Note 3)
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 14-16 semester hours (see Note 1)

##### Spring Semester

- CMST 2800 Advanced Public Communication 4 semester hours or CMST 2X00 4 semester hours (see Note 3)
- CMST 2X00 4 semester hours (see Note 3)
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-16 semester hours (see Note 1)

#### Junior Year

##### Fall Semester

- CMST 3XXX 4 semester hours (see Note 4)
- University Core 3-4 semester hours
- Lower or Upper Division Elective 3-4 semester hours (see Note 2)
- Upper Division Elective 3-4 semester hours (see Note 2)

Total: 14-16 semester hours (see Note 1)

##### Spring Semester

- CMST 3XXX 4 semester hours (see Note 4)
- CMST 3XXX 4 semester hours (see Note 5)
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours (see Note 2)

Total: 14-16 semester hours (see Note 1)

## Senior Year

### Fall Semester

- CMST 3XXX *4 semester hours* (see Note 3) or
- CMST 4XXX *4 semester hours* (see Notes 4 and 5)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)

Total: 13-16 semester hours (see Note 1)

### Spring Semester

- CMST 3XXX *4 semester hours* (see Note 3) or
- CMST 4XXX *4 semester hours* (see Note 4)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)

Total: 13-16 semester hours (see Note 1)

## Notes

This is a sample schedule. The sequence of courses may vary slightly among students and students are expected to consult with their academic advisors.

### Note 1:

Students are required to take a total of 124 semester hours to complete their degree in Communication Studies. Because semester hours for courses may vary, students should work closely with their academic advisor to ensure that they take an average of 16 hours a semester across all semesters. In some semesters, students may need to take an additional course or courses.

**Note 2:**

Students are required to take Lower and Upper Division Elective courses outside the CMST major, with the exception of CMST 2998 and CMST 3998.

**Note 3:**

Students are required to take three (3) courses from the following list: CMST 2100, CMST 2200, CMST 2300, CMST 2400, or CMST 2500.

**Note 4:**

Students are required to take four (4) courses from the following list: CMST 3100-3195, CMST 3200-3295, CMST 3300-3395, CMST 3400-3495, CMST 3500-3595, CMST 3600-3695, CMST 3700-3795, CMST 3800-3895.

**Note 5:**

Students are required to select a Senior Capstone Course from the following list: CMST 4100-4195, CMST 4200-4295, CMST 4300-4395, CMST 4400-4495, CMST 4500-4595, CMST 4700-4795.

## **Minor**

### **Public Relations Minor**

The minor in Public Relations (CMPR) situates professional practice within a context of the broader Communication Studies discipline. Interdisciplinary in nature, the minor exposes students to multiple conceptual frameworks while emphasizing applied skills.

#### Admission

Admission to the minor is competitive and limited. To be admitted to the minor, students must have an overall GPA of 3.0 and score competitively on a writing skills test. Students should be aware that completing courses in the minor sequence does not guarantee admission into the minor.

#### Course Requirements

The minor requires completion of 7 courses for a minimum of 22 semester hours. Some courses do have prerequisites, so students are encouraged to seek academic advising before pursuing the minor. CMST 2900, IDAP 300, IDAP 310, and IDAP 370 must be completed with a grade of B or higher. All other courses in the minor must be completed with a grade of C or higher. All IDAP courses must be taken in residence at LMU.

#### Required Courses

- CMST 2900 Communication Approaches to PR *4 semester hours*
- IDAP 300 Principles of Public Relations *3 semester hours*
- IDAP 310 Writing for Public Relations *3 semester hours*
- IDAP 370 Public Relations Strategies *3 semester hours*
- IDAP 380 Public Relations Internship *1 to 3 semester hours*
- CMST 3XXX: To be selected from an approved list of CMST courses\* *4 semester hours*
- CMST 3XXX: To be selected from an approved list of CMST courses\* *4 semester hours*

#### Sample Completion Plan

Fall, Year 1

- CMST 2900 Communication Approaches to PR *4 semester hours*

Spring, Year 1

- IDAP 300 Principles of Public Relations *3 semester hours*

Fall, Year 2

- IDAP 310 Writing for Public Relations *3 semester hours*
- CMST 3XXX: Selected CMST course\* *4 semester hours*

Spring, Year 2

- IDAP 370 Public Relations Strategies *3 semester hours*
- CMST 3XXX: Selected CMST course\* *4 semester hours*

Fall, Year 3

- IDAP 380 Public Relations Internship *1 to 3 semester hours*

Note:

\*Approved CMST courses: CMST 3150 Persuasion, CMST 3180 Leadership and Interpersonal Communication, CMST 3310 Media and Marketing Communication, CMST 3325 Communication and Healthcare, CMST 3335 Sport and Public Communication, CMST 3350 Nonprofit Communication Campaigns, CMST 3380 Communication Consulting, and CMST 3530 Digital Rhetoric.

## **Interdisciplinary Applied Programs**

### **Objectives**

The philosophy of Interdisciplinary Applied Programs (IDAP) rests on the premise that students should receive a broad education that combines creativity and scholarly activity. IDAP deepens students' intellectual and professional preparation for careers.

IDAP provides for the acquisition of knowledge and skills that will allow students to explore potential careers in Public Relations and related fields. Historical and theoretical knowledge informs the acquisition of practical skills, which includes writing, speaking, analyzing, strategizing and planning, using a mix of traditional and social media. The knowledge and skills will allow students to ethically communicate to a variety of audiences and publics within interpersonal, group, organizational, regional, national, and global contexts. IDAP offers a sequence of courses and includes internships in the specific field of interest.

### **Marital and Family Therapy**

#### **Faculty**

Chairperson: Debra Linesch

Program Director: Anthony Bodlovic

Professor: Debra Linesch

Associate Professor: Einat Metzl

Assistant Professors: Anthony Bodlovic, Louvenia Jackson

Clinical Assistant Professor: Jessica Bianchi

Practicum Coordinator: Kathleen Fogel-Richmond

## Contact Information

**Office Location:** University Hall, Suite 2444

**Telephone:** 310.338.4562

**Fax:** 310.338.4518

## Mission

The Department of Marital and Family Therapy with Specialized Training in Art Therapy will educate students to integrate visual arts as a way of knowing with psychotherapeutic skills and prepare students to become practicing licensed Marital and Family Therapists in the State of California\* and registered Art Therapists who abide by ethical standards of the Board of Behavioral Sciences (BBS), and the Accreditation Counsel for Art Therapy Education (ACATE). This mission, in reflection of the University's mission, fosters learning as a lifelong process in which students are educated as whole persons who would provide service and creating scholarship with a similar holistic frame, with commitment to social justice and cultural humility.

\* The program has not made a determination as to whether it meets **other** states' requirements for licensure; interested applicants/students are encouraged to research the identified path for transferring the license outside of California based on their specific interests and needs.

## Goals

1. To train students to become licensed Marriage and Family Therapists in the State of California, to be nationally registered with the ATCB as Art Therapists, and to be prepared to work as entry-level mental health clinicians
2. To educate students to competently demonstrate an understanding of comprehensive marital and family and art therapy theories and techniques with a wide range of treatment populations, while understanding systems theory and the interactional dynamics of the therapeutic relationship
3. To foster culturally humble students who can work with a wide range of diverse populations, who serve as advocates of equity and social justice, and who value self-reflection as a lifelong means of understanding self and others

## Student Learning Outcomes

Graduates of the Department of Marital and Family Therapy should know:

- A broad theoretical basis for the practice of art psychotherapy
- The complex societal culture in which they are engaging
- The legal and professional responsibilities of the licensed practicing psychotherapist.

Graduates of the Department of Marital and Family Therapy should be able to:

- Advance to professional engagement in the mental health community

- Describe individual and family dynamics according to the theory and concepts of the discipline of marriage and family therapy
- Delineate short-term and long-term psychotherapeutic goals and develop treatment plans
- Synthesize the art therapy modality with traditional theoretical approaches and use a variety of techniques and interventions to achieve systemic change
- Present case material in verbal and written form at a professional level
- Work with others from varied and diverse perspectives
- Engage in critical scholarly discourse in the field of art psychotherapy.

Graduates of the Department of Marital and Family Therapy are encouraged to value:

- An increasing commitment to change as part of the psychotherapeutic and artistic process
- The ongoing development of multicultural competencies
- Engagement with the community in the service of social justice.

In addition to completing requirements above set to meet the Board of Behavioral Sciences expectations for Marital and Family Therapy graduate training, graduates of this program also complete the requirements for the Art Therapy Specialization, preparing them as competent entry level Art Therapists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Specifically, the art therapy specialization offers students the following knowledge and skills.

1. Understand the historical development of Art Therapy as a profession. Art Therapy theories and techniques as a foundation for contemporary Art Therapy professional practice.
2. Distinguish among the therapeutic benefits of a variety of art processes and media strategies and interventions, and their applicability to the treatment process for individuals, groups, and families.
3. Recognize that Art Therapy, from a multicultural perspective, takes into consideration the specific values, beliefs, and actions influenced by a client's race, ethnicity, nationality, gender, religion, socioeconomic status, political views, sexual orientation, geographic region, physical capacity or disability, and historical or current experiences within the dominant culture.
4. Select culturally and developmentally appropriate assessment and evaluation methods and administer and interpret results to identify challenges, strengths, resilience, and resources for Art Therapy treatment planning.
5. Develop culturally appropriate, collaborative, and productive therapeutic relationships with clients.
6. Know federal and state laws and professional ethics as they apply to the practice of Art Therapy.
7. Recognize and respond appropriately to ethical and legal dilemmas using ethical decision making models, supervision, and professional and legal consultation when necessary.
8. Recognize clients' use of imagery, creativity, symbolism, and metaphor as a valuable means for communicating challenges and strengths and support clients' use of art-making for promoting growth and well-being.
9. Recognize the legal, ethical, and cultural considerations necessary when conducting Art Therapy research.
10. Apply principles of human development, artistic and creative development, human sexuality, gender identity development, family life cycle, and psychopathology, to the assessment and treatment of clients.
11. Understand professional role and responsibility to engage in advocacy endeavors as they relate to involvement in professional organizations and advancement of the profession.
12. Continuously deepen self-understanding through personal growth experiences, reflective practice, and personal art-making to strengthen a personal connection to the creative process, assist in self

- awareness, promote well-being, and guide professional practice.
13. Pursue professional development through supervision, accessing current Art Therapy literature, research, best practices, and continuing educational activities to inform clinical practice.
  14. Recognize the impact of oppression, prejudice, discrimination, and privilege on access to mental health care, and develop responsive practices that include collaboration, empowerment, advocacy, and social justice action.
  15. Understand the basic diagnostic process and the major categories and criteria of mental disorders, corresponding treatments, and commonly prescribed psychopharmacological medications.

## **Admission Requirements**

- A Bachelor's degree from an accredited institution with a GPA of 3.0 ("B") average or higher
- Prerequisites in Psychology and Studio Art
  1. A minimum of eighteen (18) semester hour credits (or twenty-seven [27] quarter-hour credits) of study in studio art which demonstrates proficiency and disciplined commitment in art making
  2. A minimum of twelve (12) semester hours credits (or [18] quarter-hour credits) of study in psychology, which must include developmental psychology and abnormal psychology
- An application with a \$50 application fee.
- Satisfactory score on the Miller Analogies Test (MAT) or GRE
- Autobiography with emphasis on personal life experiences rather than educational or occupational information
- Portfolio of art work with requested artist's statements
- Two (2) letters of recommendation
- Video interview followed by a second (group) interview on the LMU campus
- A \$250 deposit must accompany your letter of acceptance within 21 days of notification by the University of your admittance into the program. The deposit is applied toward tuition and is non-refundable.

## **Masters**

### **Marital and Family Therapy with Specialized Training in Art Therapy, M.A.**

#### Mission

The Department of Marital and Family Therapy will educate students to integrate visual arts as a way of knowing with psychotherapeutic skills and prepare students to become practicing licensed Marital and Family Therapists in the State of California and registered Art Therapists. This mission, in reflection of the University's mission, fosters learning as a lifelong process in which students are educated as whole persons who would provide service and creating scholarship with a similar holistic frame, with commitment to social justice and cultural humility.

\*The program has not made a determination as to whether it meets other states' requirements for licensure; interested applicants/students are encouraged to research the identified path for transferring the license outside of CA based on their specific interests and needs.

#### Goals

1. To train students to become licensed Marriage and Family Therapists in the State of California, to be nationally registered with the ATCB as Art Therapists, and to be prepared to work as entry level mental health clinicians.
2. To educate students to competently demonstrate an understanding of comprehensive marital and family and art therapy theories and techniques with a wide range of treatment populations, while understanding systems theory and the interactional dynamics of the therapeutic relationship.
3. To foster culturally humble students who can work with a wide range of diverse populations, who serve as advocates of equity and social justice, and who value self-reflection as a lifelong means of understanding self and others.

## Learning Outcomes

Graduates of the Department of Marital and Family Therapy should know:

- A broad theoretical basis for the practice of art psychotherapy
- The complex societal culture in which they are engaging
- The legal and professional responsibilities of the licensed practicing psychotherapist.

Graduates of the Department of Marital and Family Therapy should be able to:

- Advance to professional engagement in the mental health community
- Describe individual and family dynamics according to the theory and concepts of the discipline of marriage and family therapy
- Delineate short-term and long-term psychotherapeutic goals and develop treatment plans
- Synthesize the art therapy modality with traditional theoretical approaches and use a variety of techniques and interventions to achieve systemic change
- Present case material in verbal and written form at a professional level
- Work with others from varied and diverse perspectives
- Engage in critical scholarly discourse in the field of art psychotherapy.

Graduates of the Department of Marital and Family Therapy are encouraged to value:

- An increasing commitment to change as part of the psychotherapeutic and artistic process
- The ongoing development of multicultural competencies
- Engagement with the community in the service of social justice.

In addition to completing the above requirements set to meet the Board of Behavioral Science expectations for Marital and Family Therapy graduate training, graduates of this program also complete the requirements for the Art Therapy Specialization, preparing them as competent entry level Art Therapists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Specifically, the art therapy specialization offers students the following knowledge and skills:

- a. Understand the historical development of Art Therapy as a profession, as well as understand Art Therapy theories and techniques as a foundation for contemporary Art Therapy professional practice.
- b. Distinguish among the therapeutic benefits of a variety of art processes and media strategies and interventions, and their applicability to the treatment process for individuals, groups, and families.
- c. Recognize that Art Therapy, from a multicultural perspective, takes into consideration the specific values, beliefs, and actions influenced by a client's race, ethnicity, nationality, gender, religion, socioeconomic status, political views, sexual orientation, geographic region, physical capacity or disability, and historical or current experiences within the dominant culture.
- d. Select culturally and developmentally appropriate assessment and evaluation methods and administer

and interpret results to identify challenges, strengths, resilience, and resources for Art Therapy treatment planning.

- e. Develop culturally appropriate, collaborative, and productive therapeutic relationships with clients.
- f. Know federal and state laws and professional ethics as they apply to the practice of Art Therapy.
- g. Recognize and respond appropriately to ethical and legal dilemmas using ethical decision making models, supervision, and professional and legal consultation when necessary.
- h. Recognize clients' use of imagery, creativity, symbolism, and metaphor as a valuable means for communicating challenges and strengths and support clients' use of art-making for promoting growth and well-being.
- i. Recognize the legal, ethical, and cultural considerations necessary when conducting Art Therapy research.
- j. Apply principles of human development, artistic and creative development, human sexuality, gender identity development, family life cycle, and psychopathology, to the assessment and treatment of clients.
- k. Understand professional role and responsibility to engage in advocacy endeavors as they relate to involvement in professional organizations and advancement of the profession.
- l. Continuously deepen self-understanding through personal growth experiences, reflective practice, and personal art-making to strengthen a personal connection to the creative process, assist in self awareness, promote well-being, and guide professional practice.
- m. Pursue professional development through supervision, accessing current Art Therapy literature, research, best practices, and continuing educational activities to inform clinical practice.
- n. Recognize the impact of oppression, prejudice, discrimination, and privilege on access to mental health care, and develop responsive practices that include collaboration, empowerment, advocacy, and social justice action.
- o. Understand the basic diagnostic process and the major categories and criteria of mental disorders, corresponding treatments, and commonly prescribed psychopharmacological medications.

### Program Requirements

The Graduate Department of Marital and Family Therapy offers a graduate program leading to a Master of Arts in Marital and Family Therapy. Thus, in addition to State of California required curriculum in traditional marital and family therapy coursework, the program integrates a comprehensive art therapy curriculum. The Program trains clinicians to work in facilities providing psychological therapeutic services such as: public mental health, community mental health centers, non-profit agencies, psychiatric hospitals, medical centers, therapeutic and public schools, residential treatment facilities, and substance abuse treatment facilities.

The Department provides two- and three-year programs of rigorous academic work combined with two clinical internships of approximately 840 hours with 350 hours of direct client contact.

Students enrolled in the full-time Master of Arts in Marital and Family Therapy with Specialization in Art Therapy program will complete the degree requirements in two years. A three-year program is also available. Courses are offered Tuesdays, Wednesdays, and Thursdays during the day on campus, with internship assignments varying in times and locations.

Students are required to maintain a "B" (3.0) grade point average throughout their coursework and maintain a B or higher grade in each of their practicum courses.

The Department takes seriously its role in the training of therapists. The personality as well as the intellectual capability of each student is carefully evaluated. In light of this, a student may be disqualified from the

program for factors other than grades. Students are also encouraged to seek personal psychotherapy during the first two semesters in the program.

Faculty members are practicing MFT/art therapy clinicians or scholars with a couple of field experts (teaching psycho-pharmacology). The courses are directly related to professor's work experience and area of expertise.

### Course Work Sequence

#### First Semester (Fall)

- MFTH 600 Art Therapy Literature and Assessment *2 semester hours* \*
- MFTH 601 Art Therapy Explorations *2 semester hours* \*
- MFTH 602 Fundamentals of Marriage/Family Systems *2 semester hours*
- MFTH 604 Child Psychotherapy: Theory and Practice *2 semester hours*
- MFTH 609 Introduction to Mental Health Services *2 semester hours*
- MFTH 615 Group Psychotherapy: Theory and Practice *2 semester hours*
- MFTH 638 Psychopathology *2 semester hours*
- MFTH 640 Psychological Tests *2 semester hours*

Total: 16 semester hours

#### Second Semester (Spring)

- MFTH 606 Adolescent Psychotherapy: Theory and Practice *2 semester hours*
- MFTH 608 Theories of Marriage and Family Therapy *2 semester hours*
- MFTH 610 Adult Psychotherapy *2 semester hours*
- MFTH 611 Drug and Alcohol Treatment *1 semester hours*
- MFTH 612 Marriage and Family Psychotherapy: Issues and Applications *2 semester hours*
- MFTH 617 Practicum/Supervision I *3 semester hours*
- MFTH 680 Marriage and Family Therapy Observation *2 semester hours*
- MFTH 689 Introduction to Research *1 semester hours*

Total: 15 semester hours

#### Summer Session I

- MFTH 639 Psychopharmacology *2 semester hours*
- MFTH 641 Aging and Long-Term Care *1 semester hours*
- MFTH 642 Trauma Theory and Treatment *2 semester hours*

\*\*Please see note below regarding the optional summer art therapy/MFT program in San Miguel de Allende courses offered for interested students.

Total: 5 semester hours

#### Third Semester (Fall)

- MFTH 618 Practicum/Supervision II *4 semester hours*
- MFTH 621 Cultural Issues in Marital and Family Therapy *1 TO 3 semester hours*
- MFTH 630 Marital and Family Therapy: Clinical Studies *2 TO 3 semester hours*
- MFTH 691 Research Methodology *3 semester hours*

Total: 13 semester hours

## Fourth Semester (Spring)

- MFTH 613 Assessment and Intervention of Intimate Partner Violence *1 semester hours*
- MFTH 616 Human Sexuality *1 semester hours*
- MFTH 619 Practicum/Supervision III *4 semester hours*
- MFTH 690 Seminar: Professional Ethics *2 semester hours*
- MFTH 696 Research/Clinical Paper *3 semester hours*

Total: 11 semester hours

Total: 60 semester hours

\* *Clinical art therapy specialized courses*

\*\*Summer Study Abroad in San Miguel de Allende, Mexico

The Graduate Department of Marital and Family Therapy has established a summer Study Abroad program in San Miguel de Allende, Mexico. While obtaining a master's degree at LMU, students are encouraged to attend the summer program as part of fulfillment of the degree requirements (non-mandatory courses), broadening their appreciation for issues of culture and, specifically, the Mexican culture. Classes available are MFTH 620, MFTH 622, and MFTH 629. These summer units can be counted toward partial completion of Fall classes MFTH 621 and MFTH 630.

## Music

### Faculty

Chairperson: T. J. Harper

Professors: Paul W. Humphreys, Mark Saya, Virginia Saya

Associate Professor: T. J. Harper

Assistant Professor: David Carter

Clinical Professors: Wojciech Kocyan, Martha Masters

### Bachelors

### Music, B.A.

#### Objectives

The purpose of the Department of Music is to provide quality music instruction both for students who wish to pursue music as a career and for students who wish to enrich their lives through non-career-oriented study and performance. Students and faculty work together to foster aesthetic involvement and creative and scholarly inquiry that support a vital community of music learning. Instruction emphasizes a personal approach. Through the presentation of diverse musical programs, the department also sustains and enriches the cultural vitality of the University and its surrounding communities. The work of the department further supports the goals of Jesuit and Marymount education by strengthening the socializing influence of music both within the University and the world at large.

The Department of Music offers the Bachelor of Arts in Music degree, the requirements of which can serve

as an excellent foundation for students undertaking advanced studies in preparation for such careers as musicology, composition, ethnomusicology, music librarianship, and pedagogy-oriented teaching. In addition to meeting all general University admissions requirements, students who wish either to major or minor in Music must meet specific Department of Music entrance requirements.

Loyola Marymount University and the Department of Music are accredited by the National Association of Schools of Music.

### Student Learning Outcomes

Students majoring in Music should be able to:

- Develop physical coordination and technical skills required for specific musical activities (conducting, singing, instrumental performance)
- Apply essential principles of music theory and form to the study and evaluation of musical scores (critical skills)
- Display familiarity with musical notation in performance and original composition (creative skills).

Students majoring in Music should know:

- The historical evolution of Western music as evidenced by style periods, performance practices, and representative composers and their works
- The varieties of music as a cultural phenomenon seen in its interrelationship with belief systems, life-ways, and language.

Students majoring in Music are presented with the opportunity to value:

- The power of music as an expression and reflection of human emotion and responsiveness
- The experience of aesthetic engagement that allows for deep identification with music
- The synthesis of perspectives—physical, technical, analytical, historical—that leads to a cultured musical sensibility and artistic performance.

### Admission to the Major and Minor

An audition in an applied emphasis (guitar, percussion, piano, strings, voice, winds) is required before admission to the major or minor. Audition requirements appropriate to each emphasis (instrumental or voice) are available on-line and from the administrative office (Burns 103) of the Department of Music.

### Retention in the Major

The following standards must be met by majors in the Department of Music:

A grade of B (3.0) or better in:

- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*

A grade of C (2.0) or better in:

- MUSC 122 Music Theory and Form II *3 semester hours* in order to advance to MUSC 221

### Foreign Language Requirement

One semester of foreign language selected from the following:

- ITAL 2101 Italian 1 *4 semester hours* or
- GRMN 2101 German 1 *4 semester hours* or
- FREN 2101 French 1 *4 semester hours*

Note:

The language option selected may be taken for Credit/No Credit grading but requires the approval of the Chairperson and the applied emphasis instructor.

Music Major Curriculum (MUSC)

**48 Semester Hours (plus Foreign Language Requirement)**

General Requirements

**38 Semester Hours**

- MUSC 101 Studio Class *0 semester hours* (4 semesters)\*/\*\*
- MUSC 121 Music Theory and Form I *3 semester hours* \*
- MUSC 122 Music Theory and Form II *3 semester hours* \*\*
- MUSC 133 Aural Skills I *1 semester hours* \*
- MUSC 134 Aural Skills II *1 semester hours* \*\*
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours* \*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours* \*\*
- MUSC 221 Music Theory and Form III *3 semester hours*
- MUSC 222 Music Theory and Form IV *3 semester hours*
- MUSC 235 Instrumentation *2 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 303 Introduction to World Music Cultures *3 semester hours*
- MUSC 316 Music History: Antiquity to 1600 *3 semester hours*
- MUSC 317 Music History: 1600-1820 *3 semester hours*
- MUSC 318 Music History: 1820 to Present *3 semester hours*
  
- MUSC 332 Choral Conducting *2 semester hours* or
- MUSC 333 Instrumental Conducting *2 semester hours*

Applied Emphasis Ensemble(s)

- MUSC 454 World Music Ensembles I *0 OR 1 semester hours* or
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* or
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* or
- MUSC 491 Consort Singers *0 TO 2 semester hours* or
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* \*\*\* or
- MUSC 493 Women's Chorus *0 OR 1 semester hours* or
- MUSC 495 Concert Choir *0 OR 1 semester hours*

Note:

\* *must be taken concurrently*

\*\* *must be taken concurrently*

\*\*\* *includes guitar, string, piano, and percussion ensembles*

## Concentration Requirements

### ***12 Semester Hours/Upper Division Music***

With the approval of the director of the Concentration, all music majors must declare and complete an upper division Concentration. It is possible to complete two Concentrations with the approval of an academic advisor and the department chairperson. In order to fulfill a double Concentration, the student must take all classes required in each of the selected Concentrations. Music courses fulfilling one Concentration may not be used to satisfy the requirements of a second Concentration.

#### Conducting (INCD or VOCD)

##### Required Courses:

- MUSC 328 Choral Methods I *2 semester hours* or
- MUSC 330 Score Reading I *2 semester hours*
  
- MUSC 332 Choral Conducting *2 semester hours* \* or
- MUSC 333 Instrumental Conducting *2 semester hours* \*
  
- MUSC 432 Advanced Choral Conducting *2 semester hours* or
- MUSC 433 Advanced Instrumental Conducting *2 semester hours*
  
- MUSC 445 Choral Practicum *1 semester hours* or
- MUSC 446 Orchestral Techniques Practicum *1 semester hours*

##### Additional 5 semester hours selected from the following:

- MUSC 307 Choral Literature *3 semester hours*
- MUSC 308 Orchestral Literature *3 semester hours*
- MUSC 331 Score Reading II *2 semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 491 Consort Singers *0 TO 2 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)

##### Note:

\* Students in this Concentration take one of these courses as a general music requirement and the other as a Concentration requirement.

##### Note:

A grade of A- (3.7) or above in MUSC 332 or MUSC 333 (when taken as a general music requirement) is required to be considered for admission to the Conducting Concentration.

#### Contemporary Styles and Practices (INSP or VOSP)

#### Required Courses:

- MUSC 324 Vernacular Harmony and Forms 3 *semester hours*
- MUSC 326 Music Technology and Production 3 *semester hours*

#### Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz 3 *semester hours*
- MUSC 366 History of Rock 3 *semester hours*
- MUSC 367 History of Popular Music 3 *semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 *semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 *semester hours*
- MUSC 396 Sociology of Music 3 *semester hours*
- MUSC 454 World Music Ensembles I 0 OR 1 *semester hours* (Fall, repeatable)
- MUSC 455 World Music Ensembles II 0 OR 1 *semester hours* (Spring, repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 *semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 *semester hours*
- MUSC 492 Chamber Music Ensembles 0 OR 1 *semester hours* (when taken as Jazz Ensemble, repeatable)

#### Note:

A grade of B+ (3.3) or above in the four semesters of Music Theory and Form (MUSC 121, MUSC 122, MUSC 221, MUSC 222) is required to be considered for admission to the Contemporary Styles and Practices Concentration.

#### Instrumental Studies (INIS)

##### Required Courses:

- MUSC 310 Instrumental Pedagogy 3 *semester hours*
- MUSC 344 Alexander Technique 2 *semester hours*
- MUSC 450 Senior Project/Recital 1 *semester hours*

##### Additional 6 semester hours selected from the following:

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 *semester hours*
- MUSC 455 World Music Ensembles II 0 OR 1 *semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 *semester hours*
- MUSC 490 Chamber Orchestra 0 OR 1 *semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 492 Chamber Music Ensembles 0 OR 1 *semester hours* (Guitar, String, Chamber and/or Percussion; enroll in 1 semester hour; repeatable)

#### Music History/Literature (INMH or VOMH)

##### Required Courses:

- MUSC 319 Analytic Techniques 3 *semester hours* or
- MUSC 322 Modal Counterpoint 3 *semester hours* or
- MUSC 323 Tonal Counterpoint 3 *semester hours*
  
- MUSC 412 Pre-Renaissance and Renaissance Music 3 *semester hours* or
- MUSC 413 Music of Baroque 3 *semester hours* or

- MUSC 414 Music of the Classical Era *3 semester hours* or
- MUSC 415 Music of the Romantic Age *3 semester hours* or
- MUSC 416 Music of the Twentieth-Century Era *3 semester hours*
  
- MUSC 497 Musicology Placement Practicum *0 OR 1 semester hours*

Additional 5 semester hours selected from the following:

- MUSC 343 Opera Scenes/Workshop *1 OR 2 semester hours* (repeatable)
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 491 Consort Singers *0 TO 2 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)

Note:

A grade of A- (3.7) or above in MUSC 316, MUSC 317, and MUSC 318 is required to be considered for admission to the Music History/Literature Concentration.

Theory/Composition (INTC or VOTC)

Required Courses:

- MUSC 319 Analytic Techniques *3 semester hours* or
- MUSC 322 Modal Counterpoint *3 semester hours* or
- MUSC 323 Tonal Counterpoint *3 semester hours*
  
- MUSC 387 Music Composition I *1 semester hours*
- MUSC 454 World Music Ensembles I *0 OR 1 semester hours* (enroll in 1 semester hour)
- MUSC 496 Theory Placement Practicum *0 OR 1 semester hours* (enroll in 1 semester hour)

Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz *3 semester hours*
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours* (repeatable)\*
- MUSC 388 Music Composition II *1 semester hours*
- MUSC 396 Sociology of Music *3 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 487 Music Composition III *1 semester hours*
- MUSC 488 Music Composition IV *1 semester hours*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* (Percussion only; enroll in 1 semester hour; repeatable)

Note:

\* Piano for non-pianists; choice of other instrument or voice for pianists.

Note:

A grade of B+ (3.3) or above in the four semesters of Music Theory & Form (MUSC 121, MUSC 122, MUSC 221, MUSC 222) is required to be considered for admission to the Theory/Composition Concentration.

Vocal Studies (VOVS)

Required Courses:

- MUSC 341 Vocal Pedagogy 3 semester hours
- MUSC 344 Alexander Technique 2 semester hours
- MUSC 450 Senior Project/Recital 1 semester hours

Additional 6 semester hours selected from the following:

- MUSC 340 Diction for Singers I 1 semester hours
- MUSC 342 Diction for Singers II 1 semester hours
- MUSC 343 Opera Scenes/Workshop 1 OR 2 semester hours (repeatable)
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 491 Consort Singers 0 TO 2 semester hours (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus 0 OR 1 semester hours (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir 0 OR 1 semester hours (enroll in 1 semester hour; repeatable)

World Music/Ethnomusicology (INWM or VOWM)

Required Courses:

- MUSC 304 Topics in World Music Cultures 3 semester hours
- MUSC 407 Research and Methods in Ethnomusicology 1 semester hours
- MUSC 454 World Music Ensembles I 0 OR 1 semester hours (enroll in 1 semester hour)
- MUSC 455 World Music Ensembles II 0 OR 1 semester hours (enroll in 1 semester hour)

Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz 3 semester hours
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 396 Sociology of Music 3 semester hours
- MUSC 455 World Music Ensembles II 0 OR 1 semester hours (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours

Note:

A grade of B+ or above in MUSC 303 is required to be considered for admission to the World Music/Ethnomusicology Concentration.

Applied Music

*Individual Instructions*

Music Major/Minor

Individual instruction (Guitar, Percussion, Piano, Strings, and Voice)

Music majors are required to complete a minimum of four semesters, and Music minors two semesters, of individual instruction in the following emphasis areas:

Major: 4 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*

Minor: 2 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

Private applied lessons requirements

Each semester hour of earned credit in private applied lessons requires the following:

- A. One 50-minute private lesson weekly (total 14)
- B. Enrollment in MUSC 101 Studio Class
- C. Minimum of one (1) Studio Class performance per semester
- D. End of semester performance jury

Private applied lessons eligibility

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons.

No applied music fee is required.

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

Practice room facilities

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

Applied music course repeatability

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent offerings.

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

Music Non-Major/Non-Minor

Individual instruction (Guitar, Percussion, Piano, Strings, Winds, and Voice)

Individual instruction is available in Guitar, Percussion, Piano, Strings, Winds, and Voice. Permission of professor required.

There is an applied music fee of \$460.00 per semester for fourteen 30-minute weekly lessons. Applied music courses are repeatable for credit.

- MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

Class instruction (Voice, Guitar, Piano)

Class instruction is available in voice, guitar, and piano for students at the beginning level.

- MUSC 105 The Vocal Experience *3 semester hours*
- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*

All of these courses fulfill Explorations: Creative Experience in the University Core. MUSC 107 requires a \$15 lab fee for keyboard/headset upkeep.

Ensembles

Music Major/Minor

Music majors are required to complete four semesters, and Music minors two semesters, of active participation in an ensemble appropriate to the area of individual instruction emphasis.

Music Non-Major/Non-Minor

Membership is open to all students and the University community on audition-after-enrollment basis.

- MUSC 454 World Music Ensembles I *0 OR 1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours*
- MUSC 491 Consort Singers *0 TO 2 semester hours*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours*
- MUSC 495 Concert Choir *0 OR 1 semester hours*

Music Model Four-Year Plan

Freshman Year

Fall Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 121 Music Theory and Form I *3 semester hours*
- MUSC 133 Aural Skills I *1 semester hours*
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC Ensemble *1 semester hours*
  
- FREN 2101 French 1 *4 semester hours* or

- GRMN 2101 German 1 *4 semester hours* or
- ITAL 2101 Italian 1 *4 semester hours*
- FFYS 1000 First Year Seminar 3 *OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

#### Spring Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 122 Music Theory and Form II *3 semester hours*
- MUSC 134 Aural Skills II *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC Ensemble *1 semester hour*
- RHET 1000 Rhetorical Arts 3 *OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

#### Sophomore Year

##### Fall Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 221 Music Theory and Form III *3 semester hours*
- MUSC 235 Instrumentation *2 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC Ensemble *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-19 semester hours

##### Spring Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 222 Music Theory and Form IV *3 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 316 Music History: Antiquity to 1600 *3 semester hours*
- MUSC Ensemble *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

Junior Year

Fall Semester

- MUSC 317 Music History: 1600-1820 *3 semester hours*
- MUSC 303 Introduction to World Music Cultures *3 semester hours*
  
- MUSC 332 Choral Conducting *2 semester hours* or
- MUSC 333 Instrumental Conducting *2 semester hours*
  
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *2 semester hours*

Total: 16-18 semester hours

Spring Semester

- MUSC 318 Music History: 1820 to Present *3 semester hours*
- MUSC Upper Division Concentration *2 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-17 semester hours

Senior Year

Fall Semester

- MUSC Upper Division Concentration *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective Non-Music *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *2 semester hours*

Total: 15-18 semester hours

Spring Semester

- MUSC Upper Division Elective *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *2 semester hours*

Total: 15-18 semester hours

Note:

*This Four-Year Plan is only a model. Some music course scheduling will vary due to the departmental rotation of classes.*

## **Minor**

### **Music Minor**

Admission to the Major and Minor

An audition in an applied emphasis (guitar, percussion, piano, strings, voice, winds) is required before admission to the major or minor. Audition requirements appropriate to each emphasis (instrumental or voice) are available on-line and from the administrative office (Burns 103) of the Department of Music.

Foreign Language Requirement

One semester of foreign language selected from the following:

- ITAL 2101 Italian 1 4 semester hours or
- GRMN 2101 German 1 4 semester hours or
- FREN 2101 French 1 4 semester hours

Note:

The language option selected may be taken for Credit/No Credit grading but requires the approval of the Chairperson and the applied emphasis instructor.

Music Minor Curriculum (MUSC)

#### **21 Semester Hours (Plus Foreign Language Requirement)**

- MUSC 101 Studio Class 0 semester hours (2 semesters)
- MUSC 121 Music Theory and Form I 3 semester hours \*
- MUSC 122 Music Theory and Form II 3 semester hours \*\*
- MUSC 133 Aural Skills I 1 semester hours \*
- MUSC 134 Aural Skills II 1 semester hours \*\*
- MUSC 316 Music History: Antiquity to 1600 3 semester hours
- MUSC 317 Music History: 1600-1820 3 semester hours
- MUSC 318 Music History: 1820 to Present 3 semester hours
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours \*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours \*\*
- Applied Emphasis Ensemble(s) 2 semester hours \*/\*\*
  
- MUSC 454 World Music Ensembles I 0 OR 1 semester hours or
- MUSC 455 World Music Ensembles II 0 OR 1 semester hours or
- MUSC 490 Chamber Orchestra 0 OR 1 semester hours or
- MUSC 491 Consort Singers 0 TO 2 semester hours or
- MUSC 492 Chamber Music Ensembles 0 OR 1 semester hours or
- MUSC 493 Women's Chorus 0 OR 1 semester hours or

- MUSC 495 Concert Choir 0 OR 1 semester hours

Note:

\* *must be taken concurrently*

\*\* *must be taken concurrently*

Applied Music

*Individual Instructions*

Music Major/Minor

Individual instruction (Guitar, Percussion, Piano, Strings, and Voice)

Music majors are required to complete a minimum of four semesters, and Music minors two semesters, of individual instruction in the following emphasis areas:

Major: 4 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hours
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hours

Minor: 2 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours

Private applied lessons requirements

Each semester hour of earned credit in private applied lessons requires the following:

- A. One 50-minute private lesson weekly (total 14)
- B. Enrollment in MUSC 101 Studio Class
- C. Minimum of one (1) Studio Class performance per semester
- D. End of semester performance jury

Private applied lessons eligibility

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons.

No applied music fee is required.

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice 1 semester hours
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice 1 semester hours
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition 1 semester hours

Practice room facilities

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

### Applied music course repeatability

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent offerings.

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

### Music Non-Major/Non-Minor

Individual instruction (Guitar, Percussion, Piano, Strings, Winds, and Voice)

Individual instruction is available in Guitar, Percussion, Piano, Strings, Winds, and Voice. Permission of professor required.

There is an applied music fee of \$460.00 per semester for fourteen 30-minute weekly lessons. Applied music courses are repeatable for credit.

- MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

### Class instruction (Voice, Guitar, Piano)

Class instruction is available in voice, guitar, and piano for students at the beginning level.

- MUSC 105 The Vocal Experience *3 semester hours*
- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*

All of these courses fulfill Explorations: Creative Experience in the University Core. MUSC 107 requires a \$15 lab fee for keyboard/headset upkeep.

### Ensembles

#### Music Major/Minor

Music majors are required to complete four semesters, and Music minors two semesters, of active participation in an ensemble appropriate to the area of individual instruction emphasis.

#### Music Non-Major/Non-Minor

Membership is open to all students and the University community on audition-after-enrollment basis.

- MUSC 454 World Music Ensembles I *0 OR 1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours*
- MUSC 491 Consort Singers *0 TO 2 semester hours*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* \*
- MUSC 493 Women's Chorus *0 OR 1 semester hours*
- MUSC 495 Concert Choir *0 OR 1 semester hours*

Note:

*\* Includes guitar, string, piano, and percussion ensembles. These classes are repeatable for credit.*

## **Theatre Arts and Dance**

### **Dance**

#### **Faculty**

Chairperson: Rosalynde LeBlanc Loo

Professors: Scott T. Heinzerling, Patrick Damon Rago

Associate Professor: Rosalynde LeBlanc Loo

Clinical Assistant Professor: Kristen Smiarowski

#### **Mission**

Framed by the Mission of Loyola Marymount University, the LMU Dance Program is committed to the inquiry and practice of dance as a creative, expressive art form that is integral to life.

The program believes that the study of dance engages the student as a whole person--body, mind, and spirit.

Guided by collaborative partnerships with teachers and scholars, opportunities to engage prominent dance artists, as well as participation within the diverse cultural and dance communities of Los Angeles and beyond, LMU Dance prepares students for a variety of career paths in dance and related areas of professional engagement.

The program provides a strong, unified learning community that works with deep intention, cooperation, and flexible engagement in performance, scholarship, choreography, and social action.

Housed in the Department of Theatre Arts and Dance, the Dance Program offers coursework for the dance major, Liberal Studies majors, and the general student population who wish to pursue dance as part of the core curriculum, as electives, and for the purposes of a liberal arts education.

## **Theatre Arts**

#### **Faculty**

Chairperson: Katharine M. Noon

Professors: Diane Benedict, Charles E. Erven, Beth Henley (Presidential Professor), Katharine M. Noon, Judith Royer, C.S.J., Kevin J. Wetmore, Jr.

Associate Professor: Leon Wiebers

Assistant Professors: Arnab Banerji, Stacey Cabaj, Christopher Murillo, Daphnie Sicre

Clinical Associate Professor: Dana Resnick

Clinical Assistant Professors: Andrea Odinov, Nenad Pervan

## Bachelors

### Dance, B.A.

#### Student Learning Outcomes

1. Students will apply healthy and sustainable practices to their work in dance.
2. Students will demonstrate embodied knowledge of multiple dance techniques and genres.
3. Students will analyze various aesthetic values and engage creatively to solve problems.
4. Students will create original work with a critical awareness of the ways in which musicality, theatricality, technology, and spatiality inform the creative process.
5. Students will integrate research of the historical, the contemporary, and the self in dance using traditional academic, as well as movement methodologies.
6. Students will produce original, critical, and creative scholarship that demonstrates integration of their knowledge of dance studies.

#### Dance Generalist Track (GENL)

#### Major Requirements

#### Lower Division Requirements:

A minimum of 20 semester hours:

- DANC 100 Orientation to Dance *1 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours* (counts also as University Core)
- DANC 161 Fundamentals of Dance Composition II: Dance Improvisation *3 semester hours*
- DANC 183 Stagecraft for Dancers *1 semester hours*
- DANC 260 Laban Movement Analysis: Applications for Dance Making *3 semester hours*
- DANC 262 Dance Styles and Forms *3 semester hours*
- DANC 281 History of Dance Theatre *3 semester hours*
- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society *3 semester hours*
- And taken at the level of proficiency: Modern/Contemporary Technique and Ballet Technique each semester (minimum total lower and upper division, 8 semester hours), and Jazz Technique, 4 semesters (minimum total lower or upper division, 4 semester hours), and Dance in Its Cultural Context, 2 semesters (minimum total lower or upper division, 2 semester hours).

#### Upper Division Requirements:

A minimum of 23 semester hours:

- DANC 377 Dance Production *0 TO 1 semester hours*
- DANC 378 Service Project *0 semester hours*
- DANC 380 Music for Dance *3 semester hours*
- DANC 388 Careers in Dance *1 semester hours*
- DANC 460 Dance Theory and Criticism *3 semester hours*
- DANC 461 Senior Thesis: Project *3 semester hours* (minimum of C [2.0] grade)
- DANC 462 Mentorship: Senior Thesis *0 TO 1 semester hours*
- DANC 480 Kinesiology for Dancers I *3 semester hours*

- DANC 481 Kinesiology for Dancers II *3 semester hours*
- DANC 484 Principles of Teaching Dance *3 semester hours*
- And taken at the level of proficiency: Modern Contemporary Technique and Ballet Technique each semester (minimum total lower and upper division, 8 semester hours), and Jazz Technique, 4 semesters (minimum total lower or upper division, 4 semester hours), and Dance in Its Cultural Context, 2 semesters (minimum total lower or upper division, 2 semester hours).

Note:

A minimum of a C (2.0) must be maintained in major coursework.

A minimum grade of C (2.0) must be earned in each Dance major technique course and DANC 461.

Dance Generalist Model Four-Year Plan

Freshman Year

Fall Semester

- DANC 100 Orientation to Dance *1 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 377 Dance Production *0 TO 1 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- DANC Jazz *0-1 semester hours*
- DANC Dance Conditioning: Pilates Mat *0-1 semester hour* (Co-requisite with Modern/Contemporary)
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-21 semester hours

Spring Semester

- DANC 161 Fundamentals of Dance Composition II: Dance Improvisation *3 semester hours*
- DANC 183 Stagecraft for Dancers *1 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Dance Conditioning: Pilates Mat *0-1 semester hour* (Co-Requisite with Modern/Contemporary)
- Ballet *0-1 semester hours*
- Dance in Its Cultural Context *0-2 semester hours*: DANC 344, DANC 371, DANC 374, and/or DANC 397
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

- University Core 3-4 semester hours

Total: 17-21 semester hours

### Sophomore Year

#### Fall Semester

- DANC 260 Laban Movement Analysis: Applications for Dance Making 3 semester hours
- DANC Modern/Contemporary 0-1 semester hours
- DANC Ballet 0-1 semester hours
- DANC Jazz 0-1 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-17 semester hours

#### Spring Semester

- DANC 262 Dance Styles and Forms 3 semester hours
- DANC 281 History of Dance Theatre 3 semester hours
- DANC Modern/Contemporary 0-1 semester hours
- DANC Ballet 0-1 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

### Junior Year

#### Fall Semester

- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society 3 semester hours
- DANC 388 Careers in Dance 1 semester hours
- DANC 480 Kinesiology for Dancers I 3 semester hours
- DANC Modern/Contemporary 0-1 semester hours
- DANC Ballet 0-1 semester hours
- DANC Jazz 0-1 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Spring Semester

- DANC 380 Music for Dance 3 semester hours

- DANC 481 Kinesiology for Dancers II *3 semester hours*
- DANC 484 Principles of Teaching Dance *3 semester hours*
- DANC Ballet *0-1 semester hour*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Dance in Its Cultural Context *0-2 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-21 semester hours

Senior Year

Fall Semester

- DANC 461 Senior Thesis: Project *3 semester hours* (for December graduates only)
- DANC 462 Mentorship: Senior Thesis *0 TO 1 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- DANC Jazz *0-1 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-17 semester hours

Spring Semester

- DANC 378 Service Project *0 semester hours*
- DANC 461 Senior Thesis: Project *3 semester hours*
- DANC 462 Mentorship: Senior Thesis *0 TO 1 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-17 semester hours

Note:

*Variable semester hours for all technique classes are options only for Dance majors and minors. All other students must take these courses for 2 semester hours.*

## **Theatre Arts, B.A.**

Objectives

The Theatre Arts curriculum is planned to provide a broad quality education in the humanities and to develop in the student an appreciation of the whole self and the universality of the human experience. The Theatre

Arts program promotes an environment that nurtures self-expression within all aspects of the discipline, ranging from acting and design to technical theatre and the history and theories surrounding these practices. Faculty and students collaborate to enhance creative involvement in and promote aesthetic and scholarly inquiry into the art of theatre and performance. Participation on all levels in the performing arts is central to this work. Through the production and study of both Western and world theatrical traditions, the program contributes to the cultural vitality of our students, the university, and the surrounding community. The Theatre Arts program supports the mission and goals of the university with a commitment to educating the whole person and providing students with the tools to be an active participant in the service of faith and the promotion of justice, and is accredited by the National Association of Schools of Theatre. The program offers the Bachelor of Arts in Theatre degree, the requirements of which can serve as an excellent foundation for those students pursuing a career in theatre, film, and television, for those who wish to enrich their lives through non-career oriented study and performance, and for those pursuing MFA and PhD degrees in performance, design, history, and performance theory.

### Student Learning Outcomes

Students majoring in Theatre Arts should be able to:

- Strengthen their skills in observation, concentration, and imagination
- Effectively apply learned acting techniques to performance and/or creative works of their own
- Interpret dramatic texts and critique theatrical performance using appropriate critical language and analytical frameworks
- To integrate effective use of body and voice in communication in a theatrical space
- Apply a basic understanding of scenery, costume, and lighting materials, construction procedures, and standard theatrical practices for theatre production. Read and understand technical and artistic drawings. Basic performance and design genres, styles, techniques as methods of storytelling.
- Identify the basic elements of stage direction; analyze a play script from the point of view of the director; articulate and defend a production concept; develop actor-coaching skills; and identify elements of direction that communicate story, theme, and concept
- Positively contribute to the field of theatre performance, history, and production.

Students majoring in Theatre Arts are presented with the opportunity to value:

- Theatre as a live, human, creative, and spiritual experience, which has the power to transform and educate as well as entertain an audience
- Non-Western theatrical styles and genres
- The impact design and production have on the theatrical experience, and the relationships and contributions of all collaborators and theatrical personnel and how they contribute to the creation of theatre production across a broad spectrum of styles and genres
- Individual expression through exploration, analysis, and creation of dramatic writing
- First-hand European theatre tradition; Stanislavski and Epic theatre performance techniques; the history, geography, and culture of Germany and Eastern Europe, through our semester study abroad program, Bonn-Moscow-Berlin.

Students majoring in Theatre Arts should know:

- Basic theories, techniques, and process of dramatic writing and structure, and various approaches to translating original dramatic material from the page to the stage/screen
- Basic world theatre history and dramatic literature, including exemplary works and genres
- Basic performance and design genres, styles, and techniques

- Basic strategies of career development and audition/interview methods.

## Major Requirements (THEA)

### Lower Division Requirements:

24 semester hours:

- THEA 111 Introduction to Theatre Performance *3 semester hours*

Two courses with their labs from the following (total 6 semester hours):

- THEA 120 Stagecraft *3 semester hours* and
- THEA 121 Stagecraft Lab *0 semester hours*
- THEA 124 Costume Craft *3 semester hours* and
- THEA 125 Costume Craft Lab *0 semester hours*
- THEA 126 Lighting and Sound Craft *3 semester hours* and
- THEA 127 Lighting and Sound Craft Lab *0 semester hours*

- THEA 240 Western Theatre History and Literature I *3 semester hours*
- THEA 245 Western Theatre History and Literature II *3 semester hours*

One course from the following (3 semester hours):

- THEA 113 Voice and Speech *3 semester hours*
- THEA 114 Movement for Actors *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*
  
- THEA 175 Script Analysis *3 semester hours*
- THEA Elective *3 semester hours*

Note:

A grade of C (2.0) or better must be earned in each course.

### Upper Division Requirements:

30 semester hours:

- THEA 370 Directing for the Theatre I *3 semester hours*
- THEA 450 Theatre Practicum: Crew *1 TO 3 semester hours*
- THEA 490 Senior Thesis Project *3 semester hours*
- Upper Division THEA Electives *12 semester hours*
- THEA history/literature/criticism courses from THEA 330s, 340s, 430s *9 semester hours*

Note:

A grade of C (2.0) or better must be earned in each course of the 9 semester hours of Theatre history, literature, and criticism.

## Theatre Arts Model Four-Year Plan

### Freshman Year

#### Fall Semester

- THEA 111 Introduction to Theatre Performance *3 semester hours*
- THEA 120 Stagecraft *3 semester hours*
- THEA 121 Stagecraft Lab *0 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-18 semester hours

#### Spring Semester

- THEA 124 Costume Craft *3 semester hours*
- THEA 125 Costume Craft Lab *0 semester hours*
- THEA 175 Script Analysis *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *1 semester hour*

Total: 13-19 semester hours

### Sophomore Year

#### Fall Semester

- THEA 240 Western Theatre History and Literature I *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- THEA 245 Western Theatre History and Literature II *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Junior Year

### Fall Semester

- THEA 370 Directing for the Theatre I *3 semester hours*
- THEA 450 Theatre Practicum: Crew 1 *TO 3 semester hours* (3 semester hours required)
- THEA History/Literature/Criticism *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- THEA History/Literature/Criticism *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- THEA History/Literature/Criticism *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- THEA 490 Senior Thesis Project *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

Note:

This schedule is typical. The sequence and choice of courses must be decided in consultation with an advisor.

## **Masters**

## **Performance Pedagogy, M.F.A.**

Loyola Marymount University's Master of Fine Arts Program in Performance Pedagogy provides an opportunity for students to achieve a terminal degree with a focus on pedagogy and theory of teaching theatre performance at the secondary and university levels. Designed for individuals with experience as professional theatre artists looking to expand their career options, the program will develop our graduate students' existing knowledge with courses in acting theory, pedagogy, directing, design, theatre history and dramatic literature, as they cultivate their skills as teachers of the craft of acting and the discipline of theatre.

### Learning Outcomes

After completing the M.F.A. in Performance Pedagogy, students will be able to:

- Interpret dramatic texts and critique theatrical performance using appropriate critical language and analytic frameworks
- Effectively develop actor coaching skills and effectively communicate to performers
- Educate actors by integrating theory and practice in the classroom
- Effectively collaborate with other theatre artists on the development of a live stage performance, including an understanding of standard design and technical theatre procedures and practices.

Students will gain deep knowledge in:

- Research methods and writing for the theatre
- Current educational theatre theory and both traditional and new theatre pedagogies
- Theatre as art, discipline, field of study, and craft
- The impact design and production have on the theatrical experience, and the relationships and contributions of all collaborators and theatrical personnel, and how they contribute to the creation of theatre production across a broad spectrum of styles, genres, and cultures
- Diversity, cultural awareness, and social justice, and the roles they play in theatre.

### M.F.A. Requirements

(60 semester hours)

#### Core Courses

(21 semester hours--7 courses)

- THEA 6000 Seminar - Introduction to Theatre Pedagogy *3 semester hours*
- THEA 6010 Seminar in Research and Writing Theatre *3 semester hours*
- THEA 6200 Issues in Theatre Pedagogy *3 semester hours*
- THEA 6300 Seminar - Teaching Acting *3 semester hours*
- THEA 6650 Theories of Acting and Directing *3 semester hours*
- THEA 6700 Directing *3 semester hours*
- THEA 6800 The Collaborative Process *3 semester hours*

#### Elective Courses

(33 semester hours--11 courses)

#### Thesis

(6 semester hours--2 courses)

- THEA 6900 Thesis *3 semester hours*
- THEA 6910 Thesis *3 semester hours*

## Minor

### Dance Minor

#### Minor Requirements

Dance minor (DANG)--20 semester hours:

One composition course selected from

- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 163 Introduction to Choreography *3 semester hours*

One pedagogy course selected from

- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance *3 semester hours*
- DANC 385 Movement Arts for Children *3 semester hours*
- DANC 484 Principles of Teaching Dance *3 semester hours*

6 semester hours of theory courses selected from

- DANC 183 Stagecraft for Dancers *1 semester hours*
- DANC 260 Laban Movement Analysis: Applications for Dance Making *3 semester hours*
- DANC 281 History of Dance Theatre *3 semester hours*
- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society *3 semester hours*
- DANC 382 Drumming for Dance *2 semester hours*
- DANC 387 Dance as Social Action *0 TO 3 semester hours*
- DANC 480 Kinesiology for Dancers I *3 semester hours*
- DANC 487 Dance Media and Technology *3 semester hours*
- Other courses in Dance as directed by advisor

At least 6 semester hours of dance technique: ballet, modern/contemporary, and/or jazz dance

At least 2 semester hours of Tap or Dance in Its Cultural Context selected from

- DANC 144 Tap Dance I *0 TO 2 semester hours*
- DANC 244 Tap Dance II *0 TO 2 semester hours*
- DANC 344 Tap Dance III *0 TO 2 semester hours*
- DANC 444 Tap Dance IV *0 TO 2 semester hours*

or

- DANC 397 Dance in Its Cultural Context *0 TO 2 semester hours*

### Theatre Arts Minor

#### Minor Requirements (THEA)

18 semester hours divided into 6 semester hours of lower division work, 12 semester hours of upper division theatre offerings, and participation in departmentally-sponsored events.

Minor programs must be planned in consultation with a departmental advisor. A minimum grade of C (2.0)

must be obtained in each course included in the minor program.

LMU Frank R. Seaver College of Science and Engineering

## **Administration**

Dean: S. W. Tina Choe

Associate Dean: Suzanne Larson

Associate Dean: Nazmul Ula

Assistant Dean: Sandra Luca

## **College Mission Statement**

The LMU Frank R. Seaver College of Science and Engineering is dedicated to providing outstanding educational opportunities in science, engineering, and mathematics in a mentoring environment to an increasingly diverse student body. The College emphasizes development of the whole person through its focus on ethical behavior and service to society.

The Graduate Programs in the Frank R. Seaver College of Science and Engineering provide opportunities for working professionals to enhance their skills and knowledge through modern, professionally rigorous and conveniently administered curricula which balance theory and practice in the areas of engineering, engineering management and leadership, computer and environmental science and the teaching of mathematics to advance their careers, serve the needs of society and meet the challenges of an ever-changing, complex world.

## **College Goals**

Particularly applicable to the College are these goals: (1) to develop in the student the understanding that education is a self-discipline, and to place a greater responsibility for learning on the individual, (2) to integrate ethics into the curriculum in order to develop personal and professional integrity, (3) to help the student to become cognizant of the changing needs of humankind while interpreting and implementing the ever-increasing body of knowledge, (4) to encourage the student to recognize the wide applicability of scientific, engineering, and mathematical methods and to become skillful in their use, (5) to prepare the student for a world of accelerating scientific and technological change, (6) to impress upon the student that education must be a continuous process throughout one's professional career, and (7) to enable the Loyola Marymount graduate, through theological and philosophical studies, to make absolute and genuinely intellectual decisions and commitments about truth as it exists in the world and about one's own nature as a human being.

## **Programs**

The College offers degree programs in Applied Mathematics, Biochemistry, Biology, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Engineering Physics, Environmental Science, Health and Human Sciences, Individualized Studies, Mathematics, Mechanical Engineering, Physics, and Systems Engineering. Frank R. Seaver College of Science and Engineering faculty also teach the science, technology, and mathematics component of the University Core curriculum. Courses numbered from 260-279 are designed specifically to meet the University Core requirements in Explorations: Nature of Science, Technology, and Mathematics (ESTM) for students not majoring within the College. With the exception of MATH 101, other lower-division courses in the College may also satisfy University Core requirements,

especially Foundations: Quantitative Reasoning (FQTR). Check with your Dean's office.

## **Application of General University Requirements**

The University requirements for admission and graduation and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the Frank R. Seaver College of Science and Engineering.

### **Degrees Offered**

Bachelor of Arts in:

- Biology
- Mathematics

Bachelor of Science in Engineering in:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

Bachelor of Science in:

- Applied Mathematics
- Applied Physics
- Biochemistry
- Biology
- Chemistry
- Computer Science
- Environmental Science
- Health and Human Sciences
- Individualized Studies
- Mathematics
- Physics

Master of Arts in Teaching in: Mathematics

Master of Science in Engineering in:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

Master of Science in:

- Computer Science
- Environmental Science
- Systems Engineering

Dual degrees of Master of Science in Systems Engineering (offered by the Frank R. Seaver College of Science and Engineering) and MBA (offered by the Hilton College of Business)

In addition, the Frank R. Seaver College of Science and Engineering offers graduate Certificate Programs in Computer Science/Software Architecture, Cybersecurity, Groundwater Management, Internet of Things,

Lean Healthcare Systems, Machine Learning, Pre-Medical Post-Baccalaureate, Project Management, Sustainability, Systems Engineering, Systems Engineering/Aeronautics and Space Systems, Water and Wastewater Treatment, and Water Quality Management.

## **Teacher Preparation Programs in Biology, Chemistry, and Mathematics**

Program Directors: Blake Mellor (Mathematics) and Carolyn Viviano (Biology and Chemistry)

The Frank R. Seaver College of Science and Engineering offers state accredited subject matter preparation programs in mathematics, biology, and chemistry. These programs meet the State of California subject matter requirements for a secondary teaching credential; a student who has successfully completed one of our subject matter programs (refer to the Mathematics, Biology, or Chemistry section of the University Bulletin) will receive a waiver for the California Subject Examinations for Teachers (CSET).

All three programs were designed in collaboration with the School of Education to enable students to complete their subject matter requirements and their preliminary credential in four years; however, this does require summer coursework. Alternatively, students can choose to complete the subject matter program in four years and obtain their credential as a masters level graduate student (refer to the School of Education section of the University Bulletin). It is recommended that students entering one of the subject matter programs meet with the program director to discuss their options before making a decision. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Liberal Arts part of the University Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible and should also contact the Center for Undergraduate Teacher Preparation (CUTP).

## **The Center for Student Success in Science and Engineering**

The Center for Student Success (CSS) in the Frank R. Seaver College of Science and Engineering coordinates and provides opportunities aimed at enhancing undergraduate students' academic performance and career prospects. Located in Pereira 100, CSS offers students a central location to access information that is integral to a successful educational experience. The CSS collaborates with other divisions on campus to provide students with information regarding career development, study abroad, and service opportunities to enhance the student's academic, professional, and personal development. In addition, the CSS offers support to prepare for admission into health professional schools, including a Pre-Medical Post-Baccalaureate program. These elements reinforce the shared mission of the University of encouragement of learning and the education of the whole person. For more information about the Center for Student Success, please contact the Associate Dean for Undergraduate Studies office at 310.338.2833 or [CSS@lmu.edu](mailto:CSS@lmu.edu).

## **Current Students Interested in Transferring to the Frank R. Seaver College of Science and Engineering (CSE)**

Students who are currently enrolled in a major at LMU outside of CSE but are interested in transferring to the CSE are encouraged to apply as early as possible. Students must have completed a semester of calculus (MATH 122/131) and a semester of general chemistry (CHEM 110/114) with a minimum grade of C (2.0) in each class. Students interested in the Computer Science or Mathematics major do not need the chemistry

requirement. Individual programs may have additional requirements; refer to the University Bulletin for details. A minimum cumulative GPA of 3.0 is preferred for admission to the college. The Associate Dean of CSE and the Department Chair will evaluate the application when the student has met the minimum requirements.

Attainment of minimum requirements may not always be sufficient to secure approval of transfer request.

## **Core Curriculum for Students in the Frank R. Seaver College of Science and Engineering**

**CSE students enrolled in B.A. or B.S. degrees within the Frank R. Seaver College of Science and Engineering will follow the core curriculum as described below.**

Science and Mathematics majors are required to complete **32 semester hours** of core courses to satisfy the University Core requirements. Engineering majors are required to complete **30 semester hours of Core**.

1. CSE students must complete **one course from each** of the following **core areas**:

	<b>Core Area</b>
<b>Foundations</b>	First Year Seminar
	Rhetorical Arts
	Theological Inquiry
	Philosophical Inquiry
	Studies in American Diversity
<b>Integrations</b>	Faith and Reason
	Ethics and Justice

2. To fulfill the rest of the core semester hour requirements, students take a combination of courses in the categories listed below taking at least one course under Explorations.

	<b>Core Area</b>
<b>Explorations</b>	Historical Analysis and Perspective
	Understanding Human Behavior
	Creative Experience
	<b>Integrations</b> Interdisciplinary Connections

3. Flagged Course requirements (200 level or higher): 5 flags required

- Writing: 2 Flags
- Oral Skills: 1 Flag
- Information Literacy: 1 Flag
- Engaged Learning: 1 Flag

Flagged courses will typically be courses that satisfy other Core, major, or elective requirements, so they will be incorporated over the student's four years of study. Foundations courses carry no flags.

*Quantitative Reasoning and Nature of Science, Technology, and Mathematics Core categories are met by the curriculum of the major in CSE. In addition, the Quantitative Reasoning Flag is met by the curriculum of the major in CSE.*

# Science, Engineering, and Mathematics

Science, Engineering, and Mathematics (SCEM) courses are offered by the Frank R. Seaver College of Science and Engineering.

## Certificate

### Pre-Medical Post-Baccalaureate Certificate

The Pre-Medical Post-Baccalaureate Program is committed to identifying self-motivated students who have the compassion, commitment, and potential to become excellent medical or dental school applicants. The program is geared for career changers who have a bachelor's degree outside of the hard sciences and have taken few, if any, of the courses listed below. Our post-baccalaureate program gives students an opportunity to demonstrate that they are prepared for the academic rigor of health professional school. If you are interested in helping improve the lives of others through medicine or dentistry, we invite you to apply.

#### Program Outcomes

Students will:

1. Gain the scientific knowledge required to apply to medical or dental school
2. Learn how to become a competitive applicant

#### Program Requirements

Eight courses are required to complete the certificate, and are chosen in consultation with the Program Director. Typical coursework includes:

- CHEM 110 General Chemistry I, CHEM 111 General Chemistry I Lab, CHEM 112 General Chemistry II, CHEM 113 General Chemistry II Lab
- CHEM 220 Organic Chemistry I, CHEM 221 Organic Chemistry I Lab, CHEM 222 Organic Chemistry II, CHEM 223 Organic Chemistry II Lab
- BIOL 101 General Biology I, BIOL 111 General Biology I Lab, BIOL 102 General Biology II, BIOL 112 General Biology II Lab
- PHYS 253 General Physics I, PHYS 254 General Physics II
- CHEM 370 Biochemistry
- Health Professions Advising I and II\*
- MATH 122 Calculus for the Life Sciences I (if needed)

\*Health Professions Advising I and II are not included in the eight courses needed for the certificate.

## Other Programs

### General Engineering

A General Engineering curriculum is offered during the first three semesters in which all requirements are nearly identical regardless of major. This provides maximum flexibility since students can switch to any major at any time during their first three semesters without losing any time or credit. During this period, students can be classified as "Undecided Engineering" or can opt for one of the engineering majors--civil, electrical, or mechanical engineering. The principles and concepts that students learn during the General Engineering curriculum provide the foundation necessary for more advanced study in all engineering

disciplines.

The freshman engineering faculty advisors advise all engineering students during the first two semesters. Students must consult each semester with their freshman advisor and register for the appropriate courses listed under the General Engineering curriculum. Any variation from the recommended paradigm must be approved by the freshman advisor.

Unless unusual circumstances suggest otherwise, a commitment to a particular major should be made before the second semester of the sophomore year. Students will then be assigned to a faculty advisor within their major. The Office of the Registrar must be informed whenever a student changes or declares a major.

## General Engineering Curriculum

### Freshman Year

#### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

### Sophomore Year

#### Fall Semester

- ENGR 200 Statics *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## **Biology**

# Faculty

Chairperson: Kam D. Dahlquist

Professors: Wendy J. Binder, Kam D. Dahlquist, Philippa M. Drennan, Martina G. Ramirez, Eric Strauss (Presidential Professor)

Associate Professors: Deepa Dabir, Nancy Fujishige, Michelle R. Lum, Carl R. Urbinati, Carolyn Viviano

Assistant Professors: Sarah Joy Bittick, Kristen Covino, Cory Evans, Maxellende Ezin, Maria Christina Vasquez, Demian Willette

The mission of the Biology Department is to promote an appreciation for and understanding of the science of biology in our students. The particular objectives of the Biology Department are to: (1) provide students with a broad background in the biological sciences; (2) enable students to master the essential concepts of biology; (3) develop students' ability to think critically about scientific information and solve scientific problems; (4) enable students to articulate ideas and present information in both written and oral forms in a clear, organized fashion; (5) encourage students to participate in original research; (6) promote interdisciplinary scholarship; (7) teach students the skills of both field and laboratory biology, and enable them to participate directly in the scientific discovery process; (8) facilitate students' independent exploration of career opportunities; and (9) participate in the University's effort to educate nonscience majors in the areas of science and technology.

The B.A. in Biology degree is a general liberal arts and sciences program. The B.A. will allow for a double major with other liberal arts programs. The B.A. in Biology Secondary Education Emphasis offers classroom experience and internship opportunities in addition to the subject matter content required by the State of California. Pre-professional students should select the program leading to the B.S. degree.

## Bachelors

### Biology, B.A.

Student Learning Outcomes for the B.A. Degree in Biology

Program graduates will be able to:

- Demonstrate knowledge of the evolution of biological systems
- Demonstrate knowledge of the structure and function of biological systems
- Demonstrate knowledge of information flow, exchange, and storage in biological systems
- Demonstrate knowledge of pathways and transformations of energy and matter in biological systems
- Demonstrate knowledge of the interconnections and interactions in biological systems
- Be able to apply the scientific method to solve problems in biology
- Effectively communicate biological concepts in written and oral forms
- Have experience using field and laboratory skills
- Apply computational and quantitative methods to describe biological systems

Students completing a B.A. with a Secondary Science Emphasis will also be able to:

- Think logically and critically evaluate new information
- Integrate information from different fields of science
- Synthesize information and communicate ideas to diverse groups of students
- Design lessons that engage students in the process of inquiry (NGSS)

- Connect course content to real life situations and local issues
- Value ongoing assessment and professional development

#### Major Requirements, Lower Division: B.A. in Biology

- BIOL 101 General Biology I 3 semester hours \*
- BIOL 102 General Biology II 3 semester hours \*
- BIOL 111 General Biology I Lab 2 semester hours \*
- BIOL 112 General Biology II Lab 2 semester hours \*
- BIOL 190 Freshman Biology Seminar 0 semester hours
- BIOL 201 Cell Function 3 semester hours \*
- BIOL 202 Genetics 3 semester hours \*
- CHEM 110 General Chemistry I 3 semester hours \*
- CHEM 111 General Chemistry I Lab 1 semester hours \*
- CHEM 112 General Chemistry II 3 semester hours \*
- CHEM 113 General Chemistry II Lab 1 semester hours \*
- CHEM 220 Organic Chemistry I 3 semester hours
- 6 semester hours of mathematics to include MATH 122 \*
- Plus 3 additional semester hours in science to be approved by the Department Chairperson

#### Note:

\* A student must complete with a C (2.0) average the courses indicated with an asterisk, including a C (2.0) average in BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, and BIOL 202, prior to becoming eligible to take any upper division biology course.

#### Major Requirements, Upper Division: B.A. in Biology

24 (B.A.) upper division semester hours in Biology, to be selected from the groups listed below, and include at least 6 lecture and 4 laboratory courses (these may include lecture/lab combinations, which are 4 semester hours) and a 2-semester-hour seminar or research course (see a-g below).

For the B.A. in Biology, the following are required (a-g below):

(a) One course in Cell/Organism Function to be selected from:

- BIOL 335 Comparative Anatomy 4 semester hours
- BIOL 340 Embryology 3 semester hours
- BIOL 343 Developmental Biology 3 semester hours
- BIOL 351 General Physiology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 355 Plants, Pharmacy, and Medicine 3 semester hours
- BIOL 356 Cell Biology 3 semester hours
- BIOL 357 Comparative Animal Physiology 3 semester hours
- BIOL 358 Hormones and Behavior 4 semester hours
- BIOL 440 Molecular Neurobiology 3 semester hours
- BIOL 445 Endocrinology 3 semester hours
- BIOL 449 Immunology 3 semester hours
- BIOL 450 Physiology of Disease 3 semester hours
- BIOL 456 Molecular Cell Biology and Lab 4 semester hours

(b) One course in Molecular Biology to be selected from:

- BIOL 330 Embryology and Development *4 semester hours*
- BIOL 343 Developmental Biology *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 367 Biological Databases *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 375 Advanced Genetics *3 semester hours*
- BIOL 388 Biomathematical Modeling *3 semester hours*
- BIOL 437 Plant Development *3 semester hours*
- BIOL 439 Molecular Biology Applications *4 semester hours*
- BIOL 440 Molecular Neurobiology *3 semester hours*
- BIOL 443 Molecular Biology *3 semester hours*
- BIOL 456 Molecular Cell Biology and Lab *4 semester hours*
- BIOL 478 Molecular Biology of the Genome *4 semester hours*
- BIOL 479 Molecular Mechanisms of Disease *3 semester hours*

(c) One course in Organismal Diversity to be selected from:

- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 334 Invertebrate Zoology *4 semester hours*
- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 361 General Microbiology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 460 Environmental Microbiology *3 semester hours*

(d) One course in Populations to be selected from:

- BIOL 304 Biostatistical Analysis *3 semester hours*
- BIOL 309 Applied Plant Ecology *3 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 472 Epidemiology *3 semester hours*
- BIOL 474 Principles of Evolution *3 semester hours*
- BIOL 475 Evolution *4 semester hours*
- BIOL 477 Conservation Genetics *4 semester hours*

Note:

Classes above can only satisfy ONE area (a-d), even if listed in more than one area.

(e) One 2-semester-hour 500-level seminar or research course

(f) Additional upper division biology courses (2 courses for the B.A.)

(g) The above requirements (a-f) must also include:

(i) One plant biology course to be selected from:

- BIOL 309 Applied Plant Ecology 3 semester hours
- BIOL 311 Plant Interactions 3 semester hours
- BIOL 312 Field Botany 4 semester hours
- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 353 Plant Physiology 3 semester hours
- BIOL 355 Plants, Pharmacy, and Medicine 3 semester hours
- BIOL 370 Plant Biotechnology 3 semester hours
- BIOL 437 Plant Development 3 semester hours

AND

(ii) One field biology course to be selected from:

- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 322 Urban Ecology Lab 1 semester hours
- BIOL 325 Avian Biology Lab 1 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 380 Tropical Marine Ecology Laboratory 1 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 424 Marine Physiology Laboratory 1 semester hours

Note:

BIOL 312 can satisfy only one of these two categories (either plant OR field, not both).

Upper division biology courses may be taken as electives. Students preparing for specific graduate careers should discuss appropriate courses with their advisors.

Note:

To graduate as a biology major, a student must accumulate a C (2.0) average in all major requirements.

B.A. Degree--Biology Curriculum

**(120 S.H.)\***

Freshman Year

Fall Semester

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 190 Freshman Biology Seminar 0 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- FFYS 1000 First Year Seminar 3 OR 4 *semester hours*
- MATH Mathematics 3 *semester hours\*\**

Total: 15-16 semester hours

#### Spring Semester

- BIOL 102 General Biology II 3 *semester hours*
- BIOL 112 General Biology II Lab 2 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours*
- RHET 1000 Rhetorical Arts 3 OR 4 *semester hours*

Total: 15-16 semester hours

#### Sophomore Year

##### Fall Semester

- BIOL 201 Cell Function 3 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- University Core 4 *semester hours*
- University Core 4 *semester hours*

Total: 14 semester hours

##### Spring Semester

- BIOL 202 Genetics 3 *semester hours*
- Science Elective 3 *semester hours*
- University Core 4 *semester hours*
- University Core 4 *semester hours*

Total: 14 semester hours

#### Junior Year

##### Fall Semester

- BIOL Upper Division 4 *semester hours*
- University Core 4 *semester hours*
- University Core or
- Elective 4 *semester hours\*\*\*\**

- Elective 4 semester hours

Total: 16 semester hours

#### Spring Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- University Core 4 semester hours
- Elective 4 semester hours

Total: 15 semester hours

#### Senior Year

##### Fall Semester

- BIOL Upper Division 4 semester hours
- BIOL Seminar or Research 2 semester hours
- Upper Division Elective 4 semester hours
- Upper Division Elective 4 semester hours

Total: 14 semester hours

##### Spring Semester

- BIOL Upper Division 4 semester hours
- BIOL Upper Division 3 semester hours
- Upper Division Elective 4 semester hours
- Upper Division Elective 4 semester hours

Total: 15 semester hours

Total: 120 semester hours

*\* A minimum of 45 upper division semester hours are required to complete the degree.*

*\*\* The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.*

*\*\*\* A minimum of 32 core semester hours are required. The sequence of the University Core courses should be discussed with the student's advisor.*

#### B.A. Degree--Biology Secondary Science Education Emphasis Curriculum

The B.A. in Biology with a Secondary Science Emphasis has been accredited by the State of California. Students who have successfully completed the Single Subject Matter Program in Biology (SSEB) will receive a waiver and do not have to take the CSET (California Subject Examinations for Teachers) exam; completion of the program demonstrates subject matter competency. The program goal is to produce teachers who are confident in their ability to implement the next generation science standards (NGSS), to adapt to future changes, and who have the capacity to teach science as a process of inquiry and excite curiosity in their students. A student who has successfully completed our program should possess the knowledge and expertise that will enable him/her to become a confident, enthusiastic, and effective teacher.

For the B.A. in Biology, Secondary Science Education Emphasis, the prescribed 29 upper division semester hours provide the depth of subject matter content required by the State of California.

Major Requirements, Lower Division: for the B.A. in Secondary Science Education Emphasis

- BIOL 101 General Biology I 3 semester hours
  - BIOL 102 General Biology II 3 semester hours
  - BIOL 111 General Biology I Lab 2 semester hours
  - BIOL 112 General Biology II Lab 2 semester hours
  - BIOL 190 Freshman Biology Seminar 0 semester hours
  - BIOL 201 Cell Function 3 semester hours
  - BIOL 202 Genetics 3 semester hours
  - CHEM 110 General Chemistry I 3 semester hours
  - CHEM 111 General Chemistry I Lab 1 semester hours
  - CHEM 112 General Chemistry II 3 semester hours
  - CHEM 113 General Chemistry II Lab 1 semester hours
  - CHEM 220 Organic Chemistry I 3 semester hours
  - CHEM 221 Organic Chemistry I Lab 1 semester hours
  - ENV5 250 Earth Science 3 semester hours
  - MATH 122 Calculus for the Life Sciences I 3 semester hours
- 
- MATH 123 Calculus for the Life Sciences II 3 semester hours or
  - MATH 204 Applied Statistics 3 semester hours (MATH 131, MATH 132 may be substituted for MATH 122, MATH 123)
- 
- PHYS 253 General Physics I 4 semester hours
  - PHYS 254 General Physics II 4 semester hours
  - PHYS 271 Astronomy 3 semester hours

Note:

A student must complete the lower division requirements with a C (2.0) average.

Major Requirements, Upper Division: for the B.A. in Secondary Science Education Emphasis

29 upper division semester hours, as follows:

- BIOL 318 Principles of Ecology 4 semester hours
  - BIOL 351 General Physiology 3 semester hours
  - BIOL 352 General Physiology Lab 1 semester hours
- 
- BIOL 474 Principles of Evolution 3 semester hours or
  - BIOL 475 Evolution 4 semester hours
- 
- 1 BIOL elective 3-4 semester hours
  - ENV5 358 Environmental Chemistry: Water, Soil, and Sediment 3 semester hours
  - SCEM 370 Workshop Biology: Life Works I 3 semester hours
  - SCEM 371 Workshop Biology: Life Works I Laboratory 1 semester hours
  - SCEM 372 Workshop Biology: Life Works II 3 semester hours
  - SCEM 373 Workshop Biology: Life Works II Laboratory 1 semester hours

- SCEM 491 Science Education Internship 1 TO 4 semester hours or
- SCEM 591 Science Education Internship 1 TO 4 semester hours

Note:

In order to graduate as a biology major and receive a subject matter waiver, a student must accumulate a C (2.0) average in all major requirements.

B.A. Degree--Biology Secondary Science Education Emphasis Curriculum Four Year Plan

Freshman Year

Fall Semester

- BIOL 101 General Biology I 3 semester hours
- BIOL 111 General Biology I Lab 2 semester hours
- CHEM 110 General Chemistry I 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- MATH 122 Calculus for the Life Sciences I 3 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 12-13 semester hours

Spring Semester

- BIOL 102 General Biology II 3 semester hours
- BIOL 112 General Biology II Lab 2 semester hours
- CHEM 112 General Chemistry II 3 semester hours
- CHEM 113 General Chemistry II Lab 1 semester hours
- MATH 123 Calculus for the Life Sciences II 3 semester hours or
- MATH 204 Applied Statistics 3 semester hours
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours

Total: 15-16 semester hours

Sophomore Year

Fall Semester

- BIOL 201 Cell Function 3 semester hours
- CHEM 220 Organic Chemistry I 3 semester hours
- CHEM 221 Organic Chemistry I Lab 1 semester hours
- HIST 1300 Becoming America 4 semester hours or
- HIST 1301 America and the Atlantic World 1450-1850 4 semester hours or
- HIST 1401 The United States and the Pacific World 4 semester hours
- EDUR 400 Sociocultural Analysis of Education 3 semester hours

Total: 14 semester hours

#### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Junior Year

##### Fall Semester

- BIOL 318 Principles of Ecology *4 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- SCEM 370 Workshop Biology: Life Works I *3 semester hours*
- SCEM 371 Workshop Biology: Life Works I Laboratory *1 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 15-16 semester hours

##### Spring Semester

- PHYS 254 General Physics II *4 semester hours*
- SCEM 372 Workshop Biology: Life Works II *3 semester hours*
- SCEM 373 Workshop Biology: Life Works II Laboratory *1 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Senior Year

##### Fall Semester

- BIOL 351 General Physiology *3 semester hours*
- BIOL 352 General Physiology Lab *1 semester hours*
- Biology Upper Division Elective *3-4 semester hours*
- PHYS 271 Astronomy *3 semester hours*
- SCEM 491 Science Education Internship *1 TO 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-19 semester hours

##### Spring Semester

- BIOL 474 Principles of Evolution *3 semester hours* or
- BIOL 475 Evolution *4 semester hours*

- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 15-19 semester hours

Total: 126 semester hours

Note:

1. The course sequence in Mathematics depends on the results of the mathematics placement examination.
2. Each of the listed courses meets the US Constitution credential requirement for future teachers.
3. The science education internship is placed in the paradigm during the senior year where the units can be accommodated. However, students are encouraged to complete the internship requirement as early as possible after completion of their sophomore year.
4. Both ENVS 357 and ENVS 358 meet the environmental science requirement; however, ENVS 357 is offered in the Fall, therefore students must plan accordingly.

A minimum of 32 University Core semester hours are required. The sequence of the University Core courses should be discussed with the student's advisor.

## **Biology, B.S.**

The B.S. in Biology degree prepares students for a variety of careers following graduation. Substantial numbers of students go on to health professional schools to study medicine, dentistry, pharmacy, optometry, podiatric medicine, and veterinary medicine. Other students go on to various graduate programs in the basic biological sciences (e.g., physiology, genetics, molecular biology, immunology, microbiology, marine biology, ecology, etc.), college teaching, and positions in industry and in research and development.

Student learning outcomes for the B.S. degree in Biology:

- Demonstrate knowledge of the evolution of biological systems
- Demonstrate knowledge of the structure and function of biological systems
- Demonstrate knowledge of information flow, exchange, and storage in biological systems
- Demonstrate knowledge of pathways and transformations of energy and matter in biological systems
- Demonstrate knowledge of the interconnections and interactions in biological systems
- Be able to apply the scientific method to solve problems in biology
- Effectively communicate biological concepts in written and oral forms
- Have experience using field and laboratory skills
- Apply computational and quantitative methods to describe biological systems

Major Requirements, Lower Division: B.S. in Biology

- BIOL 101 General Biology I *3 semester hours* \*
- BIOL 102 General Biology II *3 semester hours* \*
- BIOL 111 General Biology I Lab *2 semester hours* \*
- BIOL 112 General Biology II Lab *2 semester hours* \*

- BIOL 190 Freshman Biology Seminar *0 semester hours*
  - BIOL 201 Cell Function *3 semester hours \**
  - BIOL 202 Genetics *3 semester hours \**
  - CHEM 110 General Chemistry I *3 semester hours \**
  - CHEM 111 General Chemistry I Lab *1 semester hours \**
  - CHEM 112 General Chemistry II *3 semester hours \**
  - CHEM 113 General Chemistry II Lab *1 semester hours \**
  - CHEM 220 Organic Chemistry I *3 semester hours*
  - CHEM 221 Organic Chemistry I Lab *1 semester hours*
  - CHEM 222 Organic Chemistry II *3 semester hours*
  - CHEM 223 Organic Chemistry II Lab *1 semester hours*
  - MATH 122 Calculus for the Life Sciences I *3 semester hours \**
  
  - MATH 123 Calculus for the Life Sciences II *3 semester hours*
- or
- MATH 204 Applied Statistics *3 semester hours*
  
  - PHYS 253 General Physics I *4 semester hours*
  - PHYS 254 General Physics II *4 semester hours*

Note:

(MATH 131, MATH 132 may be substituted for MATH 122, MATH 123)

\* A student must complete with a C (2.0) average the lower division requirements indicated by asterisks, including a C (2.0) average in BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, and BIOL 202, prior to becoming eligible to take any upper division biology course.

Major Requirements, Upper Division: B.S. in Biology

27 (B.S.) upper division semester hours in Biology, to be selected from the groups listed below, and include at least 7 lecture and 4 laboratory courses (these may include lecture/lab combinations, which are 4 semester hours, and a 2-semester-hour seminar or research course.

The following are required (a-g below):

(a) One course in Cell/Organism Function to be selected from:

- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 340 Embryology *3 semester hours*
- BIOL 343 Developmental Biology *3 semester hours*
- BIOL 351 General Physiology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 357 Comparative Animal Physiology *3 semester hours*
- BIOL 358 Hormones and Behavior *4 semester hours*
- BIOL 440 Molecular Neurobiology *3 semester hours*
- BIOL 445 Endocrinology *3 semester hours*

- BIOL 449 Immunology 3 semester hours
- BIOL 450 Physiology of Disease 3 semester hours
- BIOL 456 Molecular Cell Biology and Lab 4 semester hours

(b) One course in Molecular Biology to be selected from:

- BIOL 330 Embryology and Development 4 semester hours
- BIOL 343 Developmental Biology 3 semester hours
- BIOL 356 Cell Biology 3 semester hours
- BIOL 367 Biological Databases 3 semester hours
- BIOL 370 Plant Biotechnology 3 semester hours
- BIOL 375 Advanced Genetics 3 semester hours
- BIOL 388 Biomathematical Modeling 3 semester hours
- BIOL 437 Plant Development 3 semester hours
- BIOL 439 Molecular Biology Applications 4 semester hours
- BIOL 440 Molecular Neurobiology 3 semester hours
- BIOL 443 Molecular Biology 3 semester hours
- BIOL 456 Molecular Cell Biology and Lab 4 semester hours
- BIOL 478 Molecular Biology of the Genome 4 semester hours
- BIOL 479 Molecular Mechanisms of Disease 3 semester hours

(c) One course in Organismal Diversity to be selected from:

- BIOL 311 Plant Interactions 3 semester hours
- BIOL 312 Field Botany 4 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 333 Biology of Mammals 4 semester hours
- BIOL 334 Invertebrate Zoology 4 semester hours
- BIOL 335 Comparative Anatomy 4 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 355 Plants, Pharmacy, and Medicine 3 semester hours
- BIOL 361 General Microbiology 3 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 460 Environmental Microbiology 3 semester hours

(d) One course in Populations to be selected from:

- BIOL 304 Biostatistical Analysis 3 semester hours
- BIOL 309 Applied Plant Ecology 3 semester hours
- BIOL 314 Tropical Ecology 4 semester hours
- BIOL 315 World Vegetation Ecology 3 semester hours
- BIOL 316 Island Biology 3 semester hours
- BIOL 318 Principles of Ecology 4 semester hours
- BIOL 321 Urban Ecology 3 semester hours
- BIOL 328 Tropical Marine Ecology 3 semester hours
- BIOL 338 Animal Behavior 4 semester hours
- BIOL 422 Marine Biology 4 semester hours
- BIOL 472 Epidemiology 3 semester hours

- BIOL 474 Principles of Evolution *3 semester hours*
- BIOL 475 Evolution *4 semester hours*
- BIOL 477 Conservation Genetics *4 semester hours*

Note:

Classes above can only satisfy ONE area (a-d), even if listed in more than one.

(e) One 2-semester-hour 500-level seminar or research course

(f) Additional upper division biology courses (3 courses for the B.S.)

(g) The above requirements (a-f) must also include:

(i) One plant biology course to be selected from:

- BIOL 309 Applied Plant Ecology *3 semester hours*
- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 312 Field Botany *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 437 Plant Development *3 semester hours*

AND

(ii) One field biology course to be selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 322 Urban Ecology Lab *1 semester hours*
- BIOL 325 Avian Biology Lab *1 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 380 Tropical Marine Ecology Laboratory *1 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 424 Marine Physiology Laboratory *1 semester hours*

Note:

BIOL 312 can satisfy only one of these two categories (either plant OR field, not both).

Upper division biology courses may be taken as electives. Students preparing for specific graduate careers should discuss appropriate courses with their advisors.

To graduate as a biology major, a student must accumulate a C (2.0) average in all major requirements.

B.S. Degree--Biology Curriculum

**(124 S.H.)\***

Freshman Year

### Fall Semester

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 190 Freshman Biology Seminar 0 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours* \*\*
- FFYS 1000 First Year Seminar 3 *OR* 4 *semester hours*

Total: 15-16 semester hours

### Spring Semester

- BIOL 102 General Biology II 3 *semester hours*
- BIOL 112 General Biology II Lab 2 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
  
- MATH 123 Calculus for the Life Sciences II 3 *semester hours* or
- MATH 204 Applied Statistics 3 *semester hours*
  
- RHET 1000 Rhetorical Arts 3 *OR* 4 *semester hours*

Total: 15-16 semester hours

### Sophomore Year

#### Fall Semester

- BIOL 201 Cell Function 3 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
  
- University Core 4 *semester hours*
- University Core 4 *semester hours*

Total: 15 semester hours

#### Spring Semester

- BIOL 202 Genetics 3 *semester hours*
- CHEM 222 Organic Chemistry II 3 *semester hours*
- CHEM 223 Organic Chemistry II Lab 1 *semester hours*
  
- University Core 4 *semester hours*
- University Core 4 *semester hours*

Total: 15 semester hours

### Junior Year

#### Fall Semester

- BIOL Upper Division *4 semester hours*
- PHYS 253 General Physics I *4 semester hours* \*\*\*
- University Core *4 semester hours*
- University Core *4 semester hours* or
- Elective *4 semester hours*\*\*\*\*\*

Total: 16 semester hours

#### Spring Semester

- BIOL Upper Division *4 semester hours*
- BIOL Upper Division *3 semester hours*
- PHYS 254 General Physics II *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

#### Senior Year

##### Fall Semester

- BIOL Upper Division *4 semester hours*
- BIOL Upper Division *3 semester hours*
- BIOL Seminar or Research *2 semester hours*
- Upper Division Elective *3 semester hours*
- Upper Division Elective *4 semester hours*

Total: 16 semester hours

##### Spring Semester

- BIOL Upper Division *4 semester hours*
- BIOL Upper Division *3 semester hours*
- Upper Division Elective *3 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

Total: 124 semester hours

\* *A minimum of 124 semester hours including 45 upper division hours are required to complete the degree.*

\*\* *The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.*

\*\*\* *Students who have completed MATH 122 or MATH 131 may begin the physics sequence in the Fall semester of either the sophomore or junior year.*

\*\*\*\*\* *A minimum of 32 core semester hours are required. The sequence of the University Core courses should be discussed with the student's advisor.*

## Minor

### Biology Minor

#### Minor Requirements

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- Plus 7 semester hours in upper division BIOL courses

#### Note:

The upper division courses for the minor must be selected under the direction of the Chairperson of the Department.

An average grade of C (2.0) must be accumulated in all lower division requirements prior to taking upper division courses. An average grade of C (2.0) must also be accumulated in all upper division courses included in the minor.

## Chemistry and Biochemistry

### Faculty

Chairperson: David A. Moffet

Professors: S. W. Tina Choe, Lambert A. Doezema, James M. Landry, Jeremy E.B. McCallum, David A. Moffet

Associate Professors: Nicole C. Bouvier-Brown, Emily A. Jarvis, Thomas J. Reilly

Assistant Professors: Stephen T. Heller, Sarah F. Mitchell, Kathryn D. Mouzakis

Senior Instructor: Robert Senter

The chemistry and biochemistry curricula provide students with a solid foundation necessary for careers in research, health professions, teaching, and industry. The flexibility of the programs gives students the opportunity to explore areas that build upon that foundation. Examples of these areas include forensics, environmental science, and materials science. In addition, students acquire skills in critical thinking and problem solving useful in other professions such as law and business.

Chemistry and biochemistry are empirical sciences. In addition to intellectual mastery of the disciplines, the major programs also develop practical experimental skills. The LMU student obtains "hands on" experience, both in traditional synthetic and analytic bench chemistry, as well as in major contemporary methods and techniques, enhanced by the department's collection of modern instrumentation.

Because of the complex and sensitive nature of the equipment and techniques of chemistry and biochemistry, continued participation in the programs is contingent on appropriate development of the ability to work maturely and responsibly in the laboratory.

## Bachelors

### Biochemistry, B.S.

#### Objectives

The Bachelor of Science in Biochemistry degree program provides the student with a flexible program that builds upon a solid fundamental knowledge in chemistry and biochemistry. Students work with their advisors/chairperson to select upper division elective courses in emphasis areas like health sciences--which include but are not limited to medicine, pharmacy, dentistry, optometry--and areas such as forensics, environmental chemistry, education, etc.

Students may elect to receive an American Chemical Society (ACS) certified degree for the Biochemistry degree program by taking specific courses outlined below. The ACS-certified degree, approved by the Committee on Professional Training of the American Chemical Society (ACS), is designed to prepare the student not only for immediate entry into the profession of biochemistry at the Bachelor's level but also for graduate study toward advanced degrees.

Student learning outcomes for the biochemistry major:

- Students understand essential concepts in chemistry and biochemistry.
- Students exhibit competence in the chemistry/biochemistry laboratory.
- Students demonstrate the ability to think critically in analyzing scientific information and problem solving.
- Students will demonstrate effective written and oral communication skills.
- Students are knowledgeable about career opportunities in the chemical sciences.
- Students appreciate the value of science to society.

#### Major Requirements

##### Lower Division Requirements: Biochemistry

- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- MATH 131 Calculus I *4 semester hours*

- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

A grade of at least C (2.0) is required in each of the CHEM courses. With approval of the Chairperson, MATH 122 and MATH 123; PHYS 253 and PHYS 254 may be substituted for MATH 131 and MATH 132; PHYS 101 and PHYS 201. An average of C (2.0) is required for the BIOL, MATH, and PHYS courses.

Upper Division Requirements: Biochemistry

32 upper division semester hours of CHEM and CHEM/BIOL courses, including

- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 372 Advanced Biochemistry *3 semester hours*
- CHEM 373 Advanced Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*

The remaining semester hours

may be fulfilled with any upper division chemistry electives or upper division biology electives approved by and selected in conjunction with your academic advisor/chairperson from:

- BIOL 330 Embryology and Development *4 semester hours*
- BIOL 351 General Physiology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 359 Cell Biology Laboratory *1 semester hours*
- BIOL 361 General Microbiology *3 semester hours*
- BIOL 367 Biological Databases *3 semester hours*
- BIOL 368 Bioinformatics Laboratory *1 semester hours*
- BIOL 437 Plant Development *3 semester hours*
- BIOL 439 Molecular Biology Applications *4 semester hours*
- BIOL 443 Molecular Biology *3 semester hours*
- BIOL 445 Endocrinology *3 semester hours*
- BIOL 449 Immunology *3 semester hours*
- BIOL 478 Molecular Biology of the Genome *4 semester hours*
- BIOL 479 Molecular Mechanisms of Disease *3 semester hours* or
- By consent of the Chairperson.

Note:

Except for CHEM 390 and CHEM 490, an average grade of C (2.0) is required for courses included in the upper division requirements of the major. All upper division courses must be completed at LMU. Strongly recommended for those intending graduate study: CHEM 397/CHEM 497. A maximum of 12 semester hours of Chemistry/Biochemistry Internship and/or Directed Research (CHEM 393, CHEM 397, CHEM 493, CHEM 497) may be included toward the total baccalaureate requirement. CHEM courses with Credit/No Credit grading do not count toward the upper division elective requirements of the major.

To be eligible for the Dean's list, students must have completed 14 semester hours at LMU for that semester.

## Biochemistry Curriculum

### **(124 S.H.)**

#### Freshman Year

##### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 18 semester hours

##### Spring Semester

- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 16 semester hours

#### Sophomore Year

##### Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

##### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*

- University Core 4 semester hours

Total: 15 semester hours

Junior Year

Fall Semester

- CHEM 340 Physical Chemistry 3 semester hours
- CHEM 341 Physical Chemistry Lab 1 semester hours
- CHEM 370 Biochemistry 3 semester hours
- CHEM 371 Biochemistry Lab 1 semester hours
- CHEM 390 Chemistry Seminar 1 semester hours
- University Core 4 semester hours
- University Core 4 semester hours

Total: 17 semester hours

Spring Semester

- CHEM 372 Advanced Biochemistry 3 semester hours
- CHEM 373 Advanced Biochemistry Lab 1 semester hours
- CHEM 391 Chemistry Seminar 1 semester hours
- CHEM Upper Division Elective 3 semester hours
- University Core 4 semester hours
- University Core 4 semester hours

Total: 16 semester hours

Senior Year

Fall Semester

- CHEM 491 Chemistry Seminar 1 semester hours
- CHEM/BIOL Upper Division Elective 3 semester hours
- University Core/Elective 4 semester hours\*
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours

Spring Semester

- CHEM 490 Chemistry Seminar 1 semester hours
- CHEM/BIOL Upper Division Elective 3 semester hours
- CHEM/BIOL Upper Division Elective 3 semester hours
- Upper Division Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-15 semester hours\*\*

Total: 124 semester hours

Note:

\*Biochemistry majors are required to complete 32 semester hours of core courses to satisfy the University Core requirements.

\*\*Dean's list requires minimum 14 semester hours.

\*\*\*Students electing to receive an American Chemical Society (ACS) certified degree for the Biochemistry degree program must successfully pass CHEM 330: Inorganic Chemistry and any CHEM Upper Division Elective that has a laboratory component. Please consult with your academic advisor on which specific courses meet this laboratory requirement.

## Chemistry, B.S.

### Objectives

The Bachelor of Science in Chemistry degree program provides the student with a flexible program that builds upon a solid fundamental knowledge in chemistry. Students work with their advisors/chairperson to select upper division elective courses in emphasis areas like analytical, organic, inorganic, or physical chemistry or health sciences-which include but are not limited to medicine, pharmacy, dentistry, optometry- and areas such as forensics, environmental chemistry, education, etc.

The Bachelor of Science in Chemistry degree program, approved by the Committee on Professional Training of the American Chemical Society (ACS), ACS-certified track in Chemistry, is designed to prepare the student not only for immediate entry into the profession of chemistry at the Bachelor's level but also for graduate study toward advanced degrees.

Student learning outcomes for the chemistry major:

- Students understand essential concepts in chemistry and biochemistry.
- Students exhibit competence in the chemistry/biochemistry laboratory.
- Students demonstrate the ability to think critically in analyzing scientific information and problem solving.
- Students will demonstrate effective written and oral communication skills.
- Students are knowledgeable about career opportunities in the chemical sciences.
- Students appreciate the value of science to society.

### Major Requirements

#### Lower Division Requirements: Chemistry

- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

A grade of at least C (2.0) is required in each of the CHEM courses. With approval of the Chairperson, MATH 122 and MATH 123; PHYS 253 and PHYS 254 may be substituted for MATH 131 and MATH 132; PHYS 101 and PHYS 201. An average of C (2.0) is required for the BIOL, MATH, and PHYS courses.

Upper Division Requirements: Chemistry

32 upper division semester hours of CHEM courses, including

- CHEM 330 Inorganic Chemistry *3 semester hours*
- CHEM 331 Inorganic Chemistry Lab *1 semester hours*
- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 342 Advanced Physical Chemistry *3 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*

The remaining semester hours

may be fulfilled with any upper division chemistry electives or other CSE upper division electives approved by and selected in conjunction with your academic advisor/chairperson.

Except for CHEM 390 and CHEM 490, an average grade of C (2.0) is required for courses included in the upper division requirements of the major. All upper division courses must be completed at LMU. Strongly recommended for those intending graduate study: CHEM 397/CHEM 497. A maximum of 12 semester hours of Chemistry/Biochemistry Internship and/or Directed Research (CHEM 393, CHEM 397, CHEM 493, CHEM 497) may be included toward the 124-hour baccalaureate requirement. CHEM courses with Credit/No Credit grading do not count toward the upper division elective requirements of the major.

To be eligible for the Dean's list, students must have completed 14 semester hours at LMU for that semester.

Chemistry Curriculum

**(124 S.H.)**

Freshman Year

Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*

- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 18 semester hours

#### Spring Semester

- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 16 semester hours

#### Sophomore Year

##### Fall Semester

- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

##### Spring Semester

- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

#### Junior Year

##### Fall Semester

- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 17 semester hours

#### Spring Semester

- CHEM 342 Advanced Physical Chemistry *3 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- University Core/Elective *4 semester hours\**
- Elective *3-4 semester hours*

Total: 14-15 semester hours

#### Senior Year

##### Fall Semester

- CHEM 330 Inorganic Chemistry *3 semester hours*
- CHEM 331 Inorganic Chemistry Lab *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-17 semester hours

##### Spring Semester

- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours\*\*

Total: 124 semester hours

Note:

\*Chemistry majors are required to complete 32 semester hours of core courses to satisfy the University Core requirements.

\*\*Dean's list requires minimum 14 semester hours.

## Minor

### Biochemistry Minor

Minor Requirements: Biochemistry

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 370 Biochemistry *3 semester hours*

And 4 additional upper division semester hours selected from

- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 372 Advanced Biochemistry *3 semester hours*
- CHEM 373 Advanced Biochemistry Lab *1 semester hours*
- CHEM 434 Bioinorganic Chemistry *3 semester hours*
- CHEM 476 Advanced Topics in Biochemistry and Biotechnology *3 semester hours*
- CHEM 478 Introduction to Virology *3 semester hours*
- CHEM 480 Medicinal Chemistry *3 semester hours*
- CHEM 482 Toxicology *3 semester hours* or
- Other advanced biochemical elective including one upper division laboratory course.

Note:

These must be selected under the direction of the Chairperson of the Department. CHEM 370 and other upper division courses used for the minor cannot also count toward the individual's major. A grade of C (2.0) is required for CHEM courses included in the lower division requirements of the minor. An average grade of C (2.0) is required for all other courses included in the requirements of the minor.

## **Chemistry Minor**

Minor Requirements: Chemistry

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- A minimum of 7 upper division semester hours of CHEM courses including one upper division laboratory course.

Note:

These must be selected under the direction of the Chairperson of the Department. Upper division chemistry courses used for the minor cannot also count toward the individual's major.

A grade of at least C (2.0) is required for CHEM courses included in the lower division requirements of the minor. An average grade of C (2.0) is required for all other courses included in the requirements of the minor.

No chemistry minor is available in conjunction with a biochemistry major. It is suggested that the student interested in in-depth study of both subjects should major in chemistry and minor in biochemistry.

## **Computer Science**

### **Faculty**

Chairperson: Raymond J. Toal

Professors: John David N. Dionisio, Raymond J. Toal

Associate Professor: Barbara E. Marino

Assistant Professors: Andrew Forney, Jordan Freitas, Mandy Korpusik, Delaram Yazdarsepas

Clinical Professor: Robert W. Johnson

Lecturers: Josh Morgan, Scott Niebuhr, Masahji Stewart, Bonne Triezenberg, Alissa Volosin

### **Description**

The Department of Computer Science provides undergraduate and graduate programs featuring courses and laboratories in data structures and algorithms, computation theory, artificial intelligence and machine learning, computer systems, computer graphics and user experience, programming languages and translation, database systems, human factors and ethics, as well as other traditional and modern subject areas.

### **Mission**

The Computer Science Department at Loyola Marymount University seeks to be a recognized venue for excellent baccalaureate education in computing through a solid curricular foundation in computation, integration of interdisciplinary studies, emphasis in communication skills, collaboration with industry, and service to professional societies and the community.

### **Bachelors**

#### **Computer Science, B.S.**

Program Educational Objectives

The Computer Science program educational objectives are:

1. Preparation for professional practice
2. Preparation for advanced study

3. Promotion of the ideas of life-long learning
4. Development of self-fulfillment through professional activity
5. Development of ethical values and personal responsibility

The program educational objectives are met by a modern curriculum that balances computing practices with the fundamental theories of computer science. Mathematics and digital hardware courses are important components of the curriculum. In addition to traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curriculum includes studies in the humanities, communications, social sciences, and fine arts. Opportunities for involvement in professional societies, student design competitions, public open source projects, research with faculty, and University co-curricular activities are plentiful and help to accomplish these objectives.

### Student Outcomes

Graduates of the Computer Science undergraduate program will be able to:

1. Communicate the purpose and technical details of a software system
2. Work effectively as a team member
3. Apply the right language or tool for a given computing task
4. Design, implement, test, and evaluate software components and systems

### Transfer Requirements

Students interested in transferring into the Computer Science undergraduate program must complete MATH 131, CMSI 185, and CMSI 186 with a minimum grade of B (3.0) in each course before being considered. Final approval of the transfer request resides with the department chair.

### Graduation Requirements

Department criteria for graduation include (1) completion of at least 124 semester hours covering all requirements below, with (2) a minimum of 45 semester hours of upper division courses, and (3) a minimum grade point average of C (2.0) in the upper division courses.

The following courses are to be completed:

- *Computer Science Core* (47 semester hours): CMSI 185, CMSI 186, CMSI 281, CMSI 282, CMSI 284, CMSI 370, CMSI 371, CMSI 385, CMSI 386, CMSI 387, CMSI 401, CMSI 402, CMSI 486, CMSI 488
- *Electrical Engineering* (6 semester hours): ELEC 281, ELEC 385
- *Math Core* (14 semester hours): MATH 131, MATH 132, MATH 248, MATH 366
- *Technical Electives* (9 semester hours): 1) CMSI 432 or MATH 360, 2) one upper division computer science or mathematics course, and 3) one elective course from the Frank R. Seaver College of Science and Engineering
- *University Core*: A minimum of 32 semester hours that must include the following:

Course	Semester Hours
FFYS 1000	3*
RHET 1000	4
Philosophical Inquiry	4
Theological Inquiry	4
American Diversity	4

Course	Semester Hours
Faith and Reason	4
Ethics and Justice	4
CMSI 370 Interaction Design (also a Computer Science requirement; satisfies the core requirement Understanding Human Behavior)	3
CMSI 371 Computer Graphics (also a Computer Science requirement; satisfies the core requirement Creative Experience)	3
Additional <i>Explorations</i> or <i>Integrations</i> courses <i>if</i> necessary to achieve the 32 semester hour minimum. This is typically not necessary unless the student has transferred courses from other institutions with less than 4 semester hours of transfer credit.	
* Course may be 3 or 4 semester hours	

- **Free Electives:** Courses necessary to bring the total semester hour count to 124. Students will normally prepare a coherent program of electives and related core courses with a faculty advisor. For students not pursuing a second major or minor, the following tracks are suggested, but not required:
  - **Business and Information Management:** A CMSI course or independent study in electronic markets, selected electives from economics or business, and multiple courses from Information Systems and Business Analytics, such as ISBA 3720 Systems Analysis and Design.
  - **Scientific Computing:** MATH 250 Linear Algebra, three suitable science courses, two math courses (with a computational component), and fulfillment of the CMSI elective with an interdisciplinary course such as CMSI 367 Biological Databases.
  - **Games and Animation:** CMSI 375 Game Design and CMSI 376 Game Development, together with several suitable animation (ANIM) courses, and one physics course, preferably PHYS 101 Introduction to Mechanics (which can be used for the science elective).
  - **Mathematics:** Five or more courses selected from Calculus III, Differential Equations, Linear Algebra, Abstract Algebra, Methods of Applied Math, Real Variables, Complex Variables, Topology, or any upper division mathematics course.
  - **Cognitive Science:** CMSI 485 Artificial Intelligence, plus one CMSI elective or independent study in advanced artificial intelligence, PSYC 2003 Brain and Behavior (with appropriate PSYC prerequisites), PSYC 4001 Cognitive Neuroscience (with appropriate prerequisites). One or more courses in linguistics or the philosophy of language and thought are recommended.
  - **General Breadth Track:** Any number of free electives to create a broad-based education. A mix of martial arts, languages, music or music theory, film, animation, psychology, and various selections from the humanities and creative arts are common choices.

## Curriculum

The typical course of study leading to the B.S. degree in computer science is as follows:

### Freshman Year

#### Fall Semester

- CMSI 185 Computer Programming 3 semester hours
- MATH 131 Calculus I 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours
- University Core 4 semester hours

Total: 14-15 semester hours

Spring Semester

- CMSI 186 Programming Laboratory *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 16-17 semester hours

Sophomore Year

Fall Semester

- CMSI 281 Data Structures *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

Spring Semester

- CMSI 282 Algorithms *3 semester hours*
- CMSI 284 Computer Systems Organization *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

Junior Year

Fall Semester

- CMSI 370 Interaction Design *3 semester hours*
- CMSI 385 Introduction to Theory of Computation *3 semester hours*
- CMSI 386 Programming Languages *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

Spring Semester

- CMSI 371 Computer Graphics *3 semester hours*
- CMSI 387 Operating Systems *3 semester hours*
- CMSI 488 Language Translation and Implementation *4 semester hours*

- ELEC 385 Computer System Design *3 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

Senior Year

Fall Semester

- CMSI 401 Software Engineering Lab *3 semester hours*
- CMSI 486 Introduction to Database Systems *3 semester hours*
- CMSI 485 Artificial Intelligence *3 semester hours* or
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

Spring Semester

- CMSI 402 Senior Project Lab *4 semester hours*
- CMSI 432 Cognitive Systems Design *3 semester hours* or
- Elective *3 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 13 semester hours

## **Dual-Degree**

### **Dual M.S. in Computer Science/Master of Business Administration**

The mission of the Dual Degree MS in Computer Science / MBA program is to educate working professionals in the computer-science and business disciplines that will make them leaders of complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Computer Science. Taking the dual degree program saves the student several courses compared to the two programs taken separately. Students may also obtain either the MS in Computer Science degree or the MBA degree as stand-alone by fulfilling the individual degree requirements.

The dual degree program is designed to be completed in approximately three years. Typically, computer-science classes are completed first, followed by taking the required classes in the MBA program.

Program Educational Objectives (PEOs), Student Outcomes (SOs), and Learning Outcomes (LOs)

The PEOs and SOs of the MS degree and the LOs of the MBA degree are the same as those of the stand-alone degrees.

### Admission Requirements

Students seeking admission should have completed an undergraduate program in computer science, mathematics, or other closely related field. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in computer science.

Each of the two programs, MBA and MS in Computer Science, will review applications to the dual-degree program, and admission to the dual degree program will be granted only when each individual program recommends admission. Applicants who do not qualify for the dual-degree program must apply separately to the single degree program of interest.

Prospective students need to submit only one application to the LMU Graduate Division. Applicants must submit:

- Application fee
- GMAT or GRE score for admission into the College of Business Administration. The GMAT/GRE waiver policy and school codes are listed in the MBA program website.
- Transcript documenting the Bachelor's degree with a GPA of 3.0 or better, and transcripts from every college or university attended, whether or not a degree was earned
- Resume
- Personal statement discussing how the dual degree program supports the applicant's professional development
- (Optional) Two letters of recommendation
- Two years of full-time work experience is preferred

### Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the program directors of the MS in Computer Science and MBA programs. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of computer-science courses the first year and begin the MBA curriculum in year two. Additional computer-science courses can be completed in year three.

Students need to complete 36 units of MBA courses (i.e., MBA curriculum without emphasis/specialization) and 24 units of computer-science courses (i.e., the MS in Computer Science curriculum without 6 units of elective courses) with a cumulative grade point average of at least B (3.0). Therefore, students need to complete a total of 60 units to graduate. 15 units of computer-science courses will be used to satisfy the emphasis/concentration requirement of the MBA degree. 6 units of MBA courses will be used to satisfy elective requirements of the MS degree. Of the computer-science coursework, 15 units must be completed at the 600-level, and courses at the 500-level must be completed with a grade of B (3.0) or better.

When the course requirements outlined above are completed, the student will be awarded both the MBA degree and the MS degree in Computer Science.

## Masters

## Computer Science, M.S.

The graduate program in Computer Science is designed to provide theoretical knowledge as well as practical applications in the areas of software architecture, artificial intelligence, cybersecurity, and computer networks. In this program, working professionals are given an opportunity to continue their education on a part-time basis, while full-time students have the opportunity to conduct research under the guidance of a faculty advisor. Upon graduation from the program, students will be conferred the degree Master of Science (M.S.) in Computer Science.

Graduate Director: Gustavo Vejarano  
Pereira Hall, Room 143  
310.338.5761

### Program Educational Objectives

The Computer Science graduate program educational objectives are:

1. The development of in-depth expertise for a successful career and/or a successful undertaking of further graduate level studies in computer science and related fields
2. The ability to meet the challenges of the future through continuing professional growth
3. An exhibition of concern for social and environmental impact of computing-related decisions and applications

### Student Outcomes

Upon successful completion of the Computer Science graduate program, students will be able to:

- a. Demonstrate technical skill in advanced computer programming and applications
- b. Demonstrate deep technical computing skills in at least one specialty area within computer science
- c. Apply system design and integration skills to effectively integrate software intensive systems throughout their life cycle
- d. Conduct graduate level research with adequate research skills including information literacy and self-learning
- e. Utilize project management skills to effectively manage complex software development and integration activities
- f. Apply state-of-the-art technologies in computing

### Admission Requirements

Students seeking admission should have completed an undergraduate program in computer science, mathematics, or a closely related field. To be considered for admission, students must submit an application, \$50 application fee, a statement of intent, and transcripts. Letters of recommendation and the Graduate Record Exam (GRE) are optional. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in computer science or mathematics.

The undergraduate preparation of all applicants, regardless of their previous degrees, should include the following subject areas:

- Computer Programming (CMSI 185)
- Data Structures and Algorithms (CMSI 281)
- Computer Systems Organization (CMSI 284)

and at least one of the following:

- Introduction to Microprocessors (ELEC 383)
- Operating Systems (CMSI 387)
- Programming Languages (CMSI 386)

These courses need not be taken at Loyola Marymount University. However, the student should make certain that courses taken elsewhere satisfy the above requirements. Applicants who do not have adequate background in Computer Science might be required to take additional undergraduate courses.

Transfer Credit: Students may transfer six (6) semester hours for courses completed at another regionally accredited college or university. Credits to be transferred must be taken prior to admission. Each transferred course grade must be at least B (3.0), and the course must not have been used to satisfy degree requirements at another college or university.

### Graduation Requirements

A degree candidate is required to complete, with a cumulative grade point average of at least B (3.0), a program of study comprising a minimum of thirty (30) or more semester hours of graduate-level coursework (i.e., 500-level or 600-level courses). Additional prerequisite (undergraduate) courses may be required as deemed appropriate by the advisor in consultation with the department. Of the graduate-level coursework, at least fifteen (15) semester hours are to be in 600-level courses. Students must achieve a grade of B (3.0) or better in all 500-level courses. Applicable courses generally include both CMSI and ELEC courses offered by this department, as well as appropriate courses from mathematics or other disciplines. At least twenty-four (24) semester hours must be in CMSI courses.

The program of study must include the following courses: (1) CMSI 583 Computability and Complexity, (2) CMSI 585 Programming Language Semantics, and (3) CMSI 694 Graduate Capstone Project or two or more Master's Thesis courses (CMSI 695 Master's Thesis I, CMSI 696 Master's Thesis II, CMSI 697 Master's Thesis III). One or more of the 500-level required courses may be waived if the student demonstrates satisfactory completion of a similar course. Waived courses will be replaced by electives at the 500 or 600 level.

### Curriculum

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. The 30 semester hours of required coursework is allocated as follows:

- CMSI 583 Computability and Complexity *3 semester hours*
- CMSI 585 Programming Language Semantics *3 semester hours*
- Elective *3 semester hours*
- One of the following three options:
  - Option 1:
    - Elective *3 semester hours*
    - Elective *3 semester hours*

- CMSI 694 Graduate Capstone Project *3 semester hours*

Option 2:

- Elective *3 semester hours*
- CMSI 695 Master's Thesis I *3 semester hours*
- CMSI 696 Master's Thesis II *3 semester hours*

Option 3:

- CMSI 695 Master's Thesis I
- CMSI 696 Master's Thesis II
- CMSI 697 Master's Thesis III

### Master's Thesis Option

Preparation of a Master's Thesis is optional and can fulfill up to a maximum of 9 semester hours of elective course requirements. The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered, and the thesis must conform to the Frank R. Seaver College of Science and Engineering requirements. The thesis and associated work are intended to advance the state of knowledge in the thesis subject not rehash previous work by others or a serve as a "literature search." To the extent possible, there should be some experimental work involved. The thesis ideally will form the basis for a paper or article, produced by a student, which would be submitted and published in a peer-reviewed journal or presented at a professional organization's conference. A thesis is completed after being successfully defended to the thesis committee. With direction from the Program Director, a thesis committee will be formed. The thesis committee consists of the student's thesis advisor, a full-time faculty member from the student's department, and a third member from other than the student's department.

### Requirements for the Combined B.S./M.S. Degrees, major in Computer Science

This combined B.S./M.S. program is designed for LMU students to continue their studies in the Computer Science M.S. program immediately following their B.S. degree. The program allows students to complete the M.S. degree in one year.

Only LMU students in their senior year of Computer Science or Electrical Engineering with emphasis in Computer Engineering with a GPA of 3.0 or greater are eligible to apply. Students can enter this program any term immediately following completion of their undergraduate degree requirements. The candidate for the combined B.S./M.S. degree in Computer Science must satisfy the following requirements:

1. One Frank R. Seaver College of Science and Engineering 500-level course taken as an undergraduate may count toward the M.S. degree. This course can be double-counted for the B.S. degree and the M.S. degree.
2. In addition, for an admitted student, an additional Frank R. Seaver College of Science and Engineering 500-level course may be taken in their senior year that counts towards the M.S. degree and not the B.S. degree. This potentially reduces the total number of additional semester hours after earning the B.S. degree to 24.
3. The student should take two 500- or 600-level courses during summer following the senior year.
4. Complete CMSI 583 Computability and Complexity and two CMSI 500- or 600-level courses during Fall following the senior year.
5. Complete CMSI 585 Programming Language Semantics, CMSI 694 Graduate Capstone Project, and one CMSI 500- or 600-level course during Spring following the senior year.

6. 500-level courses already completed for the B.S. degree cannot be retaken.
7. The student may select the thesis option before the end of second semester of senior year with consent from the academic advisor and graduate program director.

## Minor

### Computer Science Minor

A minor in computer science is also available, with coursework including (1) CMSI 185 , CMSI 186 , and CMSI 281 , (2) CMSI 282 or CMSI 284 , and (3) two upper division CMSI electives. Participation in the minor field program requires the approval of the student's major field faculty advisor and the Department Chairperson in the student's major field.

The courses are typically taken in the following sequence:

Year	Semester	Courses
1	Fall	CMSI 185
	Spring	CMSI 186
2	Fall	CMSI 281
	Spring	CMSI 282 or CMSI 284
3	Fall	CMSI 3xx
	Spring	CMSI 3xx

## Civil and Environmental Engineering

### Faculty

Chairperson: Donald Kendall\*

Professors: Rachel G. Adams, Michael E. Manoogian\*, Jeremy S. Pal, Joseph C. Reichenberger\*, William J. Trott\*

Assistant Professors: Sunai Kim\*, Joseph Weber\*

Clinical Professor: Donald Kendall\*

Professor Emeriti: Roger Tim Huag\*, Michael E. Mulvihill\*

Lecturers: Melodie Grubbs, Dennis Kasper\*, Daniel Samaro\*

Graduate Program Director: Jeremy S. Pal

\* Registered Professional Engineer

### Description

The civil engineer applies a wide spectrum of engineering, scientific, and economic principles to plan, design, and oversee a wide variety of private infrastructure projects which improve the quality of life, protect the environment, and facilitate economic growth. These projects include roads and highways, railroads, mass transit systems, airports, bridges, buildings, structures, harbors, flood control and drainage works, water

supply, treatment and distribution systems, wastewater treatment and reuse systems, irrigation systems, pipelines, renewable energy systems, and powerplants.

## **Program Mission**

The mission of the Department of Civil and Environmental Engineering is to provide opportunities for students to develop the skills and knowledge necessary to become productive professionals through a rigorous, student-centered curriculum that balances theory and practice, serving the needs of society by emphasizing sustainability and environmental justice, and to meet the challenges of an ever-changing, complex world through a dynamic engineering program.

## **Bachelors**

### **Civil Engineering, B.S.E.**

The civil engineering curriculum emphasizes practicality and design, supported by a strong background in scientific and mathematical concepts. The undergraduate program provides a broad background in all aspects of civil engineering, providing our graduates with the flexibility to practice in any of the specialties or to pursue an advanced degree. The program provides an opportunity to get hands-on experience with classes in surveying as well as laboratories in fluid mechanics, hydraulics, soil mechanics, mechanics of materials, structures, steel, and reinforced concrete design. Engineering design experiences are integrated throughout the curriculum beginning with the freshman engineering courses and extending through the last semester of the senior year. Design courses provide working experience with computer software used in the profession. Group and team projects prepare the student for real world engineering experiences. A number of electives provides the student with the opportunity to specialize in the following areas of concentration:

- Structures
- Water Resources
- Environmental
- Geotechnical
- Transportation
- Sustainability

#### Accreditation

The Civil Engineering undergraduate program is accredited by the Engineering Accreditation Commission of the ABET, <http://www.abet.org>.

#### Program Educational Objectives

The Civil Engineering undergraduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Civil Engineering program graduates will:

1. Be productive in the civil engineering profession and/or other professional fields;
2. Uphold the code of ethics of the profession and be cognizant of social equity and sustainability issues;
3. Further develop their professional and/or technical qualifications through activities such as, but not limited to, graduate studies, continuing education, licensing, and/or certifications;
4. Be involved with professional organizations in civil engineering and/or other related fields; and
5. Exhibit leadership in civil engineering and/or other related fields.

To accomplish these program educational objectives, analysis and design courses in the fields of environmental, geotechnical, hydraulic, structural, and water resources engineering are offered in addition to preparatory courses in oral and written communications, mathematics, sciences, and basic mechanics. A broad base of theory and design is provided along with discussion of current issues and practices of the profession. Through class assignments, students will become proficient in the use of computers and pertinent software, spreadsheets, presentations, drawing, and geographical information system (GIS) programs. Integrated with these courses is the University Core curriculum.

### Student Outcomes

Graduates of the LMU Civil Engineering Program will have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety and welfare, as well as global, cultural, social, environmental, and economic concerns
3. An ability to communicate effectively with a range of audiences
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. An ability to function effectively on a team whose members come together to provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Civil Engineering Curriculum

#### Transfer Requirements

Students who are currently enrolled in another major at LMU, but are interested in changing their major to CIVL, must complete CHEM 111, CHEM 114 or CHEM 110; ENGR 200; MATH 131, MATH 132; and PHYS 101 with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Chair of the Civil Engineering Department.

#### Major Requirements

##### **(131 semester hours required)**

The program shown below is the recommended sequence for a major in civil engineering. A customized program is available in consultation with your faculty advisor, although it must meet minimum ABET-related standards. Students may focus in one or more areas of civil engineering by selecting a minimum of three electives in a particular area of concentration. Electives cannot count for any more than one area of concentration. Selected elective courses will be offered during each academic year.

A minimum of 32 semester hours of science and math, and 48 semester hours of engineering topics are required.

#### Lower Division Requirements:

- BIOL 114 Biology for Engineers 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours

- CHEM 114 General Chemistry for Engineers 3 semester hours
- CIVL 200 Mechanics of Materials 3 semester hours
- CIVL 210 Surveying and Mapping 3 semester hours
- CIVL 230 Particle Dynamics 2 semester hours
- CIVL 250 Thermal-Fluid Systems 3 semester hours
- ELEC 210 Electric Circuit Analysis 3 semester hours
- ELEC 213 Electric Circuit Analysis Lab 0 semester hours
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- ENGR 160 Algorithms and Applications 3 semester hours
- ENGR 200 Statics 3 semester hours
- MATH 131 Calculus I 4 semester hours
- MATH 132 Calculus II 4 semester hours
- MATH 234 Calculus III 4 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours

#### Upper Division Requirements:

- CIVL 302 Seismic Design of Structures 3 semester hours
- CIVL 305 Structural Theory 3 semester hours
- CIVL 310 Fluid Mechanics I 3 semester hours
- CIVL 311 Fluid Mechanics Lab 1 semester hours
- CIVL 320 Introduction to Environmental Engineering 3 semester hours
- CIVL 395 Engineering Economics and Decision Theory 3 semester hours
- CIVL 400 Fundamentals of Water and Wastewater Treatment 3 semester hours
- CIVL 406 Water Resources Planning and Design 3 semester hours
- CIVL 410 Soil Mechanics 4 semester hours
- CIVL 411 Design of Foundations and Earth Structures 3 semester hours
- CIVL 460 Civil Engineering Design, Practice, and Ethics 4 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours or equivalent
- BIOL/CHEM/CMSI/ENVS/MATH/PHYS elective 3 semester hours
- Civil Engineering electives 12 semester hours

#### Civil Engineering Four-Year Plan

##### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design 3 semester hours
- CHEM 111 General Chemistry I Lab 1 semester hours
- CHEM 114 General Chemistry for Engineers 3 semester hours
- MATH 131 Calculus I 4 semester hours
- FFYS 1000 First Year Seminar 3 OR 4 semester hours

Total: 14-15 semester hours

##### Spring Semester

- BIOL 114 Biology for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

## Sophomore Year

### Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- CIVL 200 Mechanics of Materials *3 semester hours*
- CIVL 210 Surveying and Mapping *3 semester hours*
- CIVL 230 Particle Dynamics *2 semester hours*
- CIVL 250 Thermal-Fluid Systems *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## Junior Year

### Fall Semester

- CIVL 305 Structural Theory *3 semester hours*
- CIVL 310 Fluid Mechanics I *3 semester hours*
- CIVL 311 Fluid Mechanics Lab *1 semester hours*
- CIVL 320 Introduction to Environmental Engineering *3 semester hours*
- BIOL/CHEM/CMSI/ENVS/MATH/PHYS Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

### Spring Semester

- CIVL 302 Seismic Design of Structures *3 semester hours*
- CIVL 395 Engineering Economics and Decision Theory *3 semester hours*
- CIVL 406 Water Resources Planning and Design *3 semester hours*

- CIVL 340 Analytical Methods in Civil Engineering I *3 semester hours* or
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Senior Year

Fall Semester

- CIVL 400 Fundamentals of Water and Wastewater Treatment *3 semester hours*
- CIVL 410 Soil Mechanics *4 semester hours*
- CIVL Elective *3 semester hours*
- CIVL Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

Spring Semester

- CIVL 411 Design of Foundations and Earth Structures *3 semester hours*
- CIVL 460 Civil Engineering Design, Practice, and Ethics *4 semester hours*
- CIVL Elective *3 semester hours*
- CIVL/ENVS\* Elective *3 semester hours* (\*ENVS course requires Department Chair approval)
- University Core (if needed to complete Core requirements)

Total: 13 semester hours

Total Semester Hours: 131

Electives/Areas of Concentration

Students, in consultation with their advisor, may focus in one or more areas of civil engineering by selecting a minimum of three electives in a particular area of concentration.

CIVL 501 Sustainable Water Quality and Resources: Water Resources, Environmental, Sustainability

CIVL 513 Solid Wastes Engineering: Environmental, Geotechnical, Sustainability

CIVL 515 Industrial Waste Management: Environmental, Sustainability

CIVL 517 Water Treatment Processes: General, Water Resources, Environmental, Sustainability

CIVL 518 Water Reuse and Desalination: Water Resources, Environmental, Sustainability

CIVL 519 Advanced Integrated Water Treatment Systems: Water Resources, Environmental, Sustainability

CIVL 526 Surface Water Hydrology: General, Water Resources, Environmental, Geotechnical, Sustainability

CIVL 527 Urban Water Systems and Stormwater Management: General, Water Resources, Environmental, Sustainability

CIVL 528 Groundwater Hydrology and Sustainable Management: General, Water Resources, Environmental,

Geotechnical, Sustainability

CIVL 529 Groundwater Contaminant Transport and Remediation: General, Water Resources, Environmental, Geotechnical

CIVL 530 Design of Concrete Structures: Structural, Geotechnical, Transportation

CIVL 531 Principles of Water Quality Management: Environmental

CIVL 532 Structural Steel Design: Structural, Transportation

CIVL 533 Design of Wood Structures: Structural

CIVL 537 Building Information Management: General, Structural

CIVL 538 Construction Management and Sustainability: General, Structural, Sustainability

CIVL 546 Geotechnical Earthquake Engineering: Structural, Environmental, Geotechnical

CIVL 547 Dams and Levees: Structural, Environmental, Geotechnical

CIVL 549 Hazardous Waste Remediation: Environmental, Geotechnical, Sustainability

CIVL 551 Remote Sensing with Civil Engineering and Environmental Science Applications: General, Environmental, Geotechnical, Sustainability

CIVL 553 Modeling Environmental and Water Resources Systems: Environmental, Sustainability

CIVL 571 Air Quality, Control, and Management: Environmental, Sustainability

CIVL 572 Sustainable Waste Management: Environmental, Sustainability

CIVL 573 Economics of Water and the Environment: General, Water Resources, Environmental, Sustainability

CIVL 574 Sustainable Engineering: General, Structural, Water Resources, Environmental, Sustainability

CIVL 577 Transportation Engineering: General, Transportation

CIVL 598--Highway Engineering: General, Structural, Geotechnical, Transportation

ENVS 505 Aquatic Chemistry: Environmental

ENVS 506 Applied Environmental Microbiology: Environmental

ENVS 507 Environmental Engineering and Science Lab: General, Water Resources, Environmental, Sustainability

ENVS 508 Contaminant Fate, Transport, and Remediation: Environmental

ENVS 525 Inland Waters: Water Resources, Environmental, Sustainability

ENVS 580 Engineering Geology: General, Structural, Water Resources, Environmental, Geotechnical, Sustainability

ENVS 581 Ecosystem Services in Urban Landscapes : General, Water Resources, Environmental, Transportation, Sustainability

ENVS 582 Urban Coasts: Habitats, Stressors, and Resilience: General, Structural, Environmental, Geotechnical, Sustainability

ENVS 583 Environmental Toxicology and Health Risk: Environmental, Sustainability

ENVS 584 Climate Change and Impacts: Water Resources, Environmental, Sustainability

ENVS 586 Climate Change Mitigation: Water Resources, Environmental, Sustainability

ENVS 587 Climate Change Adaptation and Resilience: Water Resources, Environmental, Sustainability

ENVS 588 Environmental Health: Water Resources, Environmental, Sustainability

ENVS 589 Sustainability, Health, and Equity: Environmental, Sustainability

## **Certificate**

### **Water Quality Management Certificate**

#### Description

Students earning a certificate in Water Quality Management will:

1. Be knowledgeable in physical, chemical, and microbiological water quality standards, the impact of discharging organic substances and ammonia into surface and ground waters;
2. Understand lake limnology and the principles of water and wastewater treatment;
3. Be knowledgeable in the carbonate cycle in water and equilibrium chemistry; and
4. Understand the principles of the movement and fate of chemicals and other contaminants in surface and groundwaters.

#### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 605 Aquatic Chemistry *3 semester hours*
  
- ENVS 607 Environmental Engineering and Science Lab *3 semester hours* or
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*

### **Water and Wastewater Treatment Certificate**

#### Description

Students earning a certificate in Water and Wastewater Treatment will:

1. Understand the function and be able to design physical and chemical separation processes in water and wastewater treatment; and
2. Understand the principles that control the design and operation of biological unit process municipal wastewater treatment and be able to design processes for organics removal and nitrogen and phosphorus reduction, and biosolids stabilization.

#### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

Three of the following:

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*

## Groundwater Management Certificate

### Description

Students earning a certificate in Groundwater Management will:

1. Understand the principles of groundwater flow and the movement of contaminants in groundwater; be able to understand the principles in locating and designing municipal production wells;
2. Understand the principles of managing groundwater basins and conjunctive use of surface and groundwater, and be knowledgeable in groundwater rights and groundwater basin adjudication; and
3. Apply advanced computer models to groundwater and surface water systems.

### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- CIVL 628 Groundwater Hydrology and Sustainable Management *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 656 Water Resources Systems Modeling *3 semester hours*

## Sustainability Certificate

### Description

Students earning a certificate in Sustainability will:

1. Understand and apply the principles of sustainable engineering and development and the levels of green building practices; and
2. Understand the principles in climate modeling, the factors affecting climate change, and the climate change impacts on California and the Western U.S. water supply.

### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- CIVL 674 Sustainable Engineering *3 semester hours*

Two of the following:

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 684 Climate Change and Impacts *3 semester hours*

## Climate Change Solutions Certificate

### Description

The Climate Change Solutions certificate will offer students an opportunity to learn the current knowledge on climate change impacts and opportunities for climate adaptation and mitigation and sustainable solutions. At the end of the certificate, the students will have learned:

1. Scientific understanding of Climate Change and impacts on Natural Systems;
2. Climate model projections and carbon accounting tools;
3. Current and future climate change impacts on human and social systems;
4. Vulnerability and Resilience Climate Adaptation and Mitigation; and
5. Regional, National, and International Environmental and Climate Change Policies, Treaties, Convention, and Governance.

#### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 686 Climate Change Mitigation *3 semester hours*
- ENVS 687 Climate Change Adaptation and Resilience *3 semester hours*

### **Solutions for Sustainable Development, Health, and Equity Certificate**

#### Description

Students earning a certificate in Sustainable Development, Health, and Equity will have learned:

1. Scientific understanding of Climate Change and impacts on Natural Systems;
2. Climate model projections and carbon accounting tools;
3. Current knowledge on environmental and climate change impacts on human and social systems and opportunities for adaption, mitigation, and sustainable solutions;
4. Understanding of environmental health sciences, issues, and solutions. Translation of science to environmental health practice; and
5. Sustainable development policies and governance at the local and global level with a focus on health and equity targets.

#### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 688 Environmental Health *3 semester hours*
- ENVS 689 Sustainability, Health, and Equity *3 semester hours*

### **Dual-Degree**

#### **Dual M.S. in Civil Engineering/Master of Business Administration**

The mission of the Dual Degree MS in Civil Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Civil Engineering. Students may obtain either an MS in Civil Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Civil Engineering/MBA program is designed to be completed in approximately three

years. Typically, the Civil Engineering classes are completed first, followed by taking the required classes in the MBA program.

### Learning Outcomes

For the Civil Engineering M.S.:

1. Apply scientific, mathematical, and sustainability principles to analyze and develop solutions to problems in environmental science and engineering;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science and engineering; and
3. Effectively communicate scientific and engineering principles related to the environment and sustainability

For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

### Admissions

Both the MBA Program in the College of Business Administration and the Civil Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the dual degree program for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science with a GPA of 3.0 or better

- Two years of full time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

### Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Civil Engineering and Engineering Management in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Civil engineering courses the first year of the dual-degree program, then begin the MBA curriculum in year two, and select electives and additional Civil Engineering courses in year three.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Civil Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the are taken as part of the MBA coursework and apply to the M.S. in Civil Engineering.

MBA curriculum (no emphasis) Note: 5 Civil Engineering Courses count towards the electives in the MBA program	36 semester hours
MS in Civil Engineering Eight Courses in Civil engineering, Note: 2 MBA courses count towards electives for the MS in Civil Engineering	24 semester hours
Dual Degree Total:	60 semester hours

Note: The Graduate Program Director for the MS in Civil Engineering has the discretion to substitute other Civil Engineering coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note: When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Civil Engineering.

## Masters

### Civil Engineering, M.S.E.

The Master of Science in Civil Engineering program aims to position working professionals and graduates with science and engineering backgrounds interested in earning an advanced degree to gain a deeper understanding of principles required to solve 21st century environmental problems and sustainably manage our water and infrastructure resources for future generations. In our career-advancing evening master's

program, students can specialize in:

- **Environmental Engineering**, with a focus on the most advanced, proven, and sustainable approaches to protect and improve water quality in urban and natural settings through effective management of pollution sources
- **Water Resources Engineering**, centered on the sustainable management, theory, and modeling of hydrological processes in natural systems and water conveyance, storage, and flood protection in urban systems

Students in the program can benefit from:

- **Strong Industry Ties:** Our modern and professionally relevant courses are taught by faculty distinguished in industry and academia.
- **Science to Engineering Pathway:** Students with non-engineering undergraduate degrees can earn a degree in civil engineering by passing the Fundamentals of Engineering Examination and completing the required coursework.
- **Evening Program:** Courses are offered in the evening to accommodate both full-time students and working professionals.

### Program Educational Objectives

The Civil Engineering graduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Graduates in the Civil Engineering (environmental engineering and water resources engineering) program will:

1. Apply critical thinking and problem-solving skills in their professions to work towards solving society's 21st century engineering issues and challenges;
2. Demonstrate and apply ethical, socially equitable, and sustainable practices and principles to issues in their profession; and
3. Advance in their careers by staying current in the field, working on interdisciplinary teams, and/or obtaining professional registration or other professional certifications.

To accomplish these program educational objectives, analysis and design courses in the fields of water resources, hydraulics, environmental engineering and environmental science with an emphasis on sustainability are offered. Additional opportunities are available to broaden the educational experience through courses in other departments, independent study and directed research resulting in a thesis with director consent. A broad base of theory and design is provided integrating current issues and professional practices.

### Program Learning Outcomes

The Civil Engineering graduate program has established the following student outcomes:

1. Apply scientific, mathematical, and sustainability principles to analyze and develop solutions to problems in environmental science and engineering;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science and engineering; and
3. Effectively communicate scientific and engineering principles related to the environment and sustainability.

### Admission Requirements

All applicants must hold a Bachelor of Science or higher-level degree and have successfully completed the following courses:

- Calculus, at least one year of college-level
- General Chemistry, at least one year of college-level
- Life and Physical Science, totaling at least four college-level courses, which could include Biology, Chemistry, Environmental Science, or Physics.

Applicants with a bachelor's or postgraduate degree in a non-Engineering, Life Science, or Physical Science field may be considered if the applicant has completed the above coursework prior to applying. The department may also require applicants who lack an adequate background in mathematics, chemistry, and/or science to successfully complete additional courses prior to being admitted into the program or continuing in the program.

Applicants holding a non-engineering bachelor's or postgraduate degree may apply and enroll into one of the Civil Engineering program tracks but are not eligible for the Master of Science degree until passing the Fundamentals of Engineering exam and meeting all of the program requirements.

All applicants are required to submit:

- A completed application form and \$50 application fee
- Official Transcripts of all colleges and universities attended
- A letter of intent (approximately 1.5 pages) describing the candidate's background, career goals, and interest in the program
- Two letters of recommendation attesting to the candidate's ability to succeed in the graduate program based on previous academic and/or professional performance

The GRE is not required for admission into the Civil Engineering Master's Program. International applicants should submit the items listed above plus the additional items required by LMU Graduate Admission.

### Program Requirements

Students enrolled in this program must successfully complete the following:

- 30 semester hours with a cumulative grade point average of 3.0 ("B")
- Comprehensive Oral Examination (CIVL 690) or Masters Thesis Defense (CIVL 696 or ENVS 696)
- 500-level courses with grade of B (3.0) or higher
- All core and elective requirements for the Water Resources Engineering or the Environmental Engineering emphasis.

To be awarded a Master of Science in Civil Engineering (either track), all students must either possess a bachelor's degree in engineering OR have passed the Engineer-in-Training/Fundamentals of Engineering (EIT/FE) examination administered by the National Council of Examiners for Engineering and Surveying (NCEES). Students who do not meet this condition will receive a Master of Science degree in Environmental Science.

### Optional Thesis

Preparation of a master's thesis under the guidance of a faculty member is optional in both the Civil Engineering and Environmental Science Master's programs. Students electing to perform a master's thesis must pass CIVL 696 Thesis Defense or ENVS 696 Thesis Defense (0 semester hours) in the semester they expect to complete their thesis. The defense is in the form of a written thesis and an oral presentation. A thesis committee, selected by the student and primary research advisor, determines if the student has

mastered the subject matter of the thesis, understands the work done by others, and can critically assess that work and his/her own work. No later than two weeks prior to the thesis defense presentation, the student must provide their written thesis to their thesis committee for review. Students who elect to prepare a master's thesis are not required to take the CIVL 690 Comprehensive Oral Exam. Formal requirements may be obtained from the program director. Please see our research page for further information on research opportunities.

Thesis students also have the option to enroll in a 3-semester-hour master's thesis independent studies (CIVL 695 Master Thesis or ENVS 695 Master Thesis) in any term with director and thesis advisor consent. The master's thesis independent studies can satisfy a Global Perspectives Elective requirement, may be taken a maximum of two times, and may be taken only once in a semester.

#### Change of Emphasis (Environmental Engineering or Water Resources Engineering)

Civil Engineering graduate students can choose an emphasis in one of two areas: Environmental Engineering or Water Resources Engineering. Students have the option to switch from the Water Resources Engineering emphasis to the Environmental Engineering emphasis and vice versa or to Environmental Science any time before graduation. Prior to changing emphasis, the student's plan should be discussed with and approved by the Program Director.

Required courses for each field of study

M.S. in Civil Engineering with emphasis in Environmental Engineering:

#### Required Core Courses

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 606 Applied Environmental Microbiology *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 625 Applied Fluid Mechanics *3 semester hours* \*

One of the following:

- CIVL 690 Comprehensive Oral Exam *0 semester hours* (Non-thesis students)
- CIVL 696 Thesis Defense *0 semester hours* (Thesis students)
- ENVS 696 Thesis Defense *0 semester hours* (Thesis students)

\* Students who have previously passed an upper division undergraduate- or graduate-level fluid mechanics course may substitute CIVL 625 Applied Fluid Mechanics with a Technical or Global Perspectives elective.

#### Technical Electives

Choose at least three from the following:

- ENVS 607 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*
- CIVL 626 Surface Water Hydrology *3 semester hours*
- CIVL 627 Urban Water Systems and Stormwater Management *3 semester hours*
- CIVL 628 Groundwater Hydrology and Sustainable Management *3 semester hours*

- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 647 Dams and Levees *3 semester hours*
- ENVS 652 Spatial Data Analysis and Geographical Information Systems *3 semester hours*
- CIVL 651 Remote Sensing with Civil Engineering and Environmental Science Applications *3 semester hours*
- CIVL 653 Modeling Environmental and Water Resources Systems *3 semester hours*

#### Global Perspectives Electives

Choose up to two from the following:

- CIVL 671 Air Quality, Control, and Management *3 semester hours*
- CIVL 672 Sustainable Waste Management *3 semester hours*
- CIVL 673 Economics of Water and the Environment *3 semester hours*
- CIVL 674 Sustainable Engineering *3 semester hours*
- ENVS 680 Engineering Geology *3 semester hours*
- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 683 Environmental Toxicology and Health Risk *3 semester hours*
- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 686 Climate Change Mitigation *3 semester hours*
- ENVS 687 Climate Change Adaptation and Resilience *3 semester hours*
- ENVS 688 Environmental Health *3 semester hours*
- ENVS 689 Sustainability, Health, and Equity *3 semester hours*
- Up to one CIVL 599/ENVS 599 Independent Studies with director consent (up to 3 semester hours)
- Up to two CIVL 695 Master Thesis with director consent (3 semester hours each)
- Up to one 500- or 600-level course in another graduate program with director consent

M.S. in Civil Engineering with emphasis in Water Resources Engineering:

#### Required Core Courses

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- CIVL 625 Applied Fluid Mechanics *3 semester hours*
- CIVL 626 Surface Water Hydrology *3 semester hours* \*
- CIVL 627 Urban Water Systems and Stormwater Management *3 semester hours*
- CIVL 628 Groundwater Hydrology and Sustainable Management *3 semester hours*
- CIVL 653 Modeling Environmental and Water Resources Systems *3 semester hours*

One of the following:

- CIVL 690 Comprehensive Oral Exam *0 semester hours* (Non-thesis students)
- CIVL 696 Thesis Defense *0 semester hours* (Thesis students)
- ENVS 696 Thesis Defense *0 semester hours* (Thesis students)

\* Students who have previously passed an upper division undergraduate- or graduate-level fluid mechanics course may substitute CIVL 625 Applied Fluid Mechanics with a Technical or Global Perspectives elective.

#### Technical Electives

Choose at least three from the following:

- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 606 Applied Environmental Microbiology *3 semester hours*
- ENVS 607 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 647 Dams and Levees *3 semester hours*
- CIVL 651 Remote Sensing with Civil Engineering and Environmental Science Applications *3 semester hours*
- ENVS 652 Spatial Data Analysis and Geographical Information Systems *3 semester hours*

Global Perspectives Electives

Choose up to two from the following:

- CIVL 671 Air Quality, Control, and Management *3 semester hours*
- CIVL 672 Sustainable Waste Management *3 semester hours*
- CIVL 673 Economics of Water and the Environment *3 semester hours*
- CIVL 674 Sustainable Engineering *3 semester hours*
- ENVS 680 Engineering Geology *3 semester hours*
- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 683 Environmental Toxicology and Health Risk *3 semester hours*
- ENVS 684 Climate Change and Impacts *3 semester hours*
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- ENVS 689 Sustainability, Health, and Equity *3 semester hours*
- Up to one CIVL 599/ENVS 599 Independent Studies with director consent (up to 3 semester hours)
- Up to two CIVL 695 Master Thesis with director consent (3 semester hours each)
- Up to one 500- or 600-level course in another graduate program with director consent

## **Environmental Science, M.S.**

The Master of Science in Environmental Science program at Loyola Marymount University is a career-enhancing, evening master's program that exposes students to the most advanced, proven and sustainable approaches to protect, improve and manage environmental quality in urban and natural settings from the local to the global level. Our program provides a collaborative and student-focused environment for working professionals and full-time students to deepen their knowledge in environmental science and engineering required to investigate and solve real-world 21st century environmental problems.

Student in the program can benefit from:

- **Strong Industry Ties:** Our modern and professionally relevant courses are taught by faculty distinguished in industry and academia.
- **Focus on Sustainability:** With our Southern California backdrop, students are exposed to the most

advanced, current and sustainable modern solutions to environmental problems.

- **Evening Program:** Courses are offered in the evening to accommodate both full-time students and working professionals.

### Program Educational Objectives

The Environmental Science graduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Environmental Science program graduates will:

1. Apply critical thinking skills in their profession to identify, evaluate, and develop science-based solutions to 21st century environmental issues and challenges;
2. Demonstrate and apply ethical, socially equitable, and sustainable practices and principles to issues in their profession; and
3. Advance in their careers by staying current in the field, working on interdisciplinary teams, and/or obtaining professional certifications.

To accomplish these program educational objectives, a variety of courses in the fields of environmental science and environmental engineering are offered with an emphasis on sustainability. Additional opportunities are available to broaden the educational experience through courses in other departments, independent study, and directed research resulting in a thesis. A broad base of theory and design is provided integrating current issues and professional practices.

### Program Learning Outcomes

The Environmental Science graduate program has established the following student outcomes:

1. Apply scientific, mathematical, and sustainability principles to identify problems and analyze solutions in environmental science;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science; and
3. Effectively communicate scientific principles related to the environment and sustainability.

### Admission Requirements

All applicants must hold an undergraduate or higher-level degree and have completed the following courses:

- Calculus, at least one semester of college-level
- General Chemistry, at least one college-level course
- Life and Physical Science, totaling at least four college-level courses, which could include Biology, Chemistry, Environmental Science, or Physics.

Applicants with a non-Bachelor of Science undergraduate or postgraduate degree may be considered if the applicant has completed the above coursework prior to applying.

The department may require applicants who lack an adequate background in mathematics, chemistry, and/or science to take additional courses prior to being admitted into the program or continuing in the program. Additional admission requirements may be set by the department upon review of the applicant's academic and professional preparation.

All applicants are required to submit:

- A completed application form and \$50 application fee
- Official Transcripts of all colleges and universities attended

- A letter of intent (approximately 1.5 pages) describing the candidate's background, career goals, and interest in the program
- Two letters of recommendation attesting to the candidate's ability to succeed in the graduate program based on previous academic and/or professional performance

The GRE is not required for admission into the Environmental Science Master's Program. International applicants should submit the items listed above plus the additional items required by LMU Graduate Admission.

### Program Requirements

Students enrolled in this program must successfully complete the following:

- 30 semester hours with a cumulative grade point average of 3.0 ("B")
- Comprehensive Oral Examination (CIVL 690 or ENVS 690) or Masters Thesis Defense (CIVL 696 or ENVS 696)
- Completion of 500-level courses with grade of B (3.0) or higher
- All core and elective requirements for the Environmental Science program or one of the Civil Engineering program emphases (Water Resources Engineering or Environmental Engineering).

### Optional Thesis

Preparation of a master's thesis under the guidance of a faculty member is optional in both the Civil Engineering and Environmental Science Master's programs. Students electing to perform a master's thesis must pass ENVS 696 Thesis Defense or CIVL 696 Thesis Defense (0 semester hours) in the semester they expect to complete their thesis. The defense is in the form of a written thesis and an oral presentation. A thesis committee, selected by the student and primary research advisor, determine if the student has mastered the subject matter of the thesis, understands the work done by others, and can critically assess that work and his/her own work. No later than two weeks prior to the thesis defense presentation, the student must provide their written thesis to their thesis committee for review. Students who elect to prepare a master's thesis are not required to take the ENVS 690/CIVL 690 Comprehensive Oral Exam. Formal requirements may be obtained from the program director. Please see our research page for further information on research opportunities.

Thesis students also have the option to enroll in a 3-semester-hour master's thesis independent studies (ENVS 695 Master Thesis or CIVL 695 Master Thesis) in any term with director and thesis advisor consent. The master's thesis independent studies can satisfy an Elective requirement, may be taken a maximum of two times, and may be taken only once in a semester.

### Change of Program

Students with non-engineering undergraduate or postgraduate degree can change into the Civil Engineering Master's Program (Environmental Engineering or Water Resources Engineering) at any time provided that they 1) meet all Civil Engineering admissions requirements and 2) are in good academic standing (3.0 GPA or higher). Such students are also required to pass the National Council of Examiners for Engineering and Surveying Fundamentals of Engineering exam before their degree is awarded.

### Required Core Courses:

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 606 Applied Environmental Microbiology *3 semester hours*

One of the following:

Non-Thesis Students:

- ENVS 690 Comprehensive Oral Exam *0 semester hours* or
- CIVL 690 Comprehensive Oral Exam *0 semester hours*

Thesis Students:

- ENVS 696 Thesis Defense *0 semester hours* or
- CIVL 696 Thesis Defense *0 semester hours*

Elective Courses:

- ENVS 607 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*
- ENVS 651 Remote Sensing with Civil Engineering and Environmental Science Applications *3 semester hours*
- ENVS 652 Spatial Data Analysis and Geographical Information Systems *3 semester hours*
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- ENVS 689 Sustainability, Health, and Equity *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*
- CIVL 625 Applied Fluid Mechanics *3 semester hours*
- CIVL 626 Surface Water Hydrology *3 semester hours*
- CIVL 627 Urban Water Systems and Stormwater Management *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 653 Modeling Environmental and Water Resources Systems *3 semester hours*
- CIVL 671 Air Quality, Control, and Management *3 semester hours*
- CIVL 672 Sustainable Waste Management *3 semester hours*
- CIVL 673 Economics of Water and the Environment *3 semester hours*
- CIVL 674 Sustainable Engineering *3 semester hours*
- CIVL 690 Comprehensive Oral Exam *0 semester hours*
- Up to two CIVL 695 Master Thesis
- Up to one CIVL 599/ENVS 599 Independent Studies with director consent (up to 3 semester hours)
- Up to one 500- or 600-level course in another graduate program with director consent

## Electrical and Computer Engineering

# Contact Information

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# Faculty

Professors: Philip Chmielewski, S.J., Lei Huang, Nazmul Ula

Associate Professors: Barbara Marino, Gustavo Vejarano, Jie Xu

Assistant Professor: Hossein Asghari

# Mission

The mission of the Department of Electrical and Computer Engineering is to provide high-quality, practice-oriented, design-focused curricula that prepare students for both leadership roles in industry and advanced studies. The Department provides a supportive, student-centered education that balances theory and practice and meets the challenges of an ever-changing complex world through dynamic programs with interdisciplinary opportunities.

# Description

The Department of Electrical and Computer Engineering offers undergraduate and graduate programs in Electrical Engineering. The Electrical Engineering undergraduate program allows for two curricular emphases, one in Electrical Engineering and one in Computer Engineering. The undergraduate program is described below, using the term Electrical Engineering undergraduate program to refer to both curricular emphases. The graduate program in Electrical Engineering is described following the information about the undergraduate program.

# Bachelors

## Electrical Engineering, B.S.E.

All curricula consist of classroom and laboratory experiences related to the design and analysis of digital and analog circuits and systems. Advanced topics in communications, computer architecture, signal processing, and embedded systems are included. The curricula also allow students to take courses in emerging fields such as image processing, machine learning, and optical communications. A rigorous laboratory sequence emphasizes design and develops strong oral and written communication skills.

### Design Experience

Design is interwoven throughout the Electrical Engineering undergraduate program, culminating in a formal senior design project course. Freshman and sophomore engineering courses provide an introduction to design. The two junior and first-semester senior laboratory courses extend this design experience to the

integration of material from the upper-division electrical engineering courses. Finally, the senior design capstone experience builds on the analytical and theoretical background developed throughout the program as well as topics covered in the University's Core curriculum.

### Accreditation

The Electrical Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET (<http://www.abet.org>).

### Program Education Objectives

The Electrical Engineering undergraduate program has established the following program educational objectives that are consistent with the mission of the University and the Frank R. Seaver College of Science and Engineering. The objectives describe the expected accomplishments of graduates during the first several years following graduation. Graduates of the Electrical Engineering program will:

1. Perform effectively as practicing engineers and/or successfully undertake graduate study in electrical engineering or related fields;
2. Meet the challenges of the future through continuing professional growth; and
3. Exhibit concern for service and justice through leadership within their profession, as well as the community as a whole.

These program educational objectives were established in consultation with the constituents of the program and are met by providing curricula which have both breadth and depth. Engineering science and design, mathematics, and basic sciences are significant components of the program. In addition to these traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curricula include core requirements in the humanities, communications, and the fine arts.

Opportunities for involvement in professional societies, student design competitions, and University co-curricular activities are plentiful and help to accomplish these objectives.

### Student Outcomes

The Electrical Engineering undergraduate program has established the following student outcomes. These student outcomes describe the expected knowledge and skills of graduates at the time of graduation.

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### Transfer Requirements

Students interested in transferring into one of the emphases of the Electrical Engineering undergraduate program must complete CHEM 111, CHEM 114, MATH 131, MATH 132, and PHYS 101 (or their equivalents) with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Department Chairperson.

#### Graduation Requirements for the Electrical Engineering B.S.E. (Electrical Engineering Emphasis)

Department criteria for graduation include (1) completion of at least **128** semester hours covering all requirements below, with (2) a minimum of **45** semester hours of upper division courses, (3) a grade point average of C (2.0) in the upper division courses (excluding core), and (4) all upper division ELEC courses must be completed in residence.

The Electrical Engineering emphasis requires the following courses to be completed:

- *General Engineering* (9 semester hours): ENGR 100, ENGR 160, ENGR 200
- *Electrical Engineering* (50 semester hours): ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 302, ELEC 353, ELEC 354, ELEC 361, ELEC 371, ELEC 383, ELEC 400, ELEC 401, ELEC 402, ELEC 423, ELEC 424, and two additional ELEC courses
- *Math and Science* (36 semester hours): MATH 131, MATH 132, MATH 234, MATH 245, MATH 250, MATH 355; PHYS 101, PHYS 201; BIOL 114; CHEM 111, CHEM 114
- *Science and Engineering Electives* (3 semester hours): Three semester hours of upper division elective coursework from the Frank R. Seaver College of Science and Engineering
- *University Core* (30+ semester hours): A minimum of 30 semester hours as defined in the core curriculum for students in the Frank R. Seaver College of Science and Engineering.

#### Electrical Engineering B.S.E. (Electrical Engineering Emphasis) Curriculum

The typical course of study leading to the B.S.E. degree in Electrical Engineering with the Electrical Engineering emphasis is as follows:

##### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

##### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

##### Sophomore Year

## Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## Spring Semester

- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Junior Year

### Fall Semester

- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 383 Introduction to Microprocessors *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Spring Semester

- ELEC 302 Junior Lab II *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- ELEC 371 Linear Systems *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- ELEC 361 Electromagnetics *3 semester hours*
- ELEC 400 Design Methodology *2 semester hours*
- ELEC 401 Senior Lab I *3 semester hours*
- ELEC 423 Communications I *3 semester hours*
- Electrical Engineering Elective *3 semester hours*

Total: 14 semester hours

#### Spring Semester

- ELEC 402 Senior Project *3 semester hours*
- ELEC 424 Communications II *3 semester hours*
- Electrical Engineering Elective *3 semester hours*
- Upper Division Seaver Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Graduation Requirements for the Electrical Engineering B.S.E. (Computer Engineering Emphasis)

Department criteria for graduation include (1) completion of at least 128 semester hours covering all requirements below, with (2) a minimum of 45 hours of upper division courses, (3) a grade point average of a C (2.0) in the upper division major courses (excluding core), and (4) all upper division ELEC courses must be completed in residence.

The Computer Engineering emphasis requires the following courses to be completed:

- General Engineering (6 semester hours): ENGR 100, ENGR 160
- Computer Science (12 semester hours): CMSI 185, CMSI 186, CMSI 281, CMSI 284
- Electrical Engineering (44 semester hours): ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 302, ELEC 353, ELEC 354, ELEC 371, ELEC 383, ELEC 400, ELEC 401, ELEC 402, ELEC 423, ELEC 424, ELEC 584
- Math and Science (33 semester hours): MATH 131, MATH 132, MATH 234, MATH 245, MATH 355; PHYS 101, PHYS 201; BIOL 114; CHEM 111, CHEM 114
- Science and Engineering Electives (3 semester hours): Three semester hours of upper division elective coursework from the Frank R. Seaver College of Science and Engineering
- University Core (30+ semester hours): A minimum of 30 semester hours as defined in the core curriculum for students in the Frank R. Seaver College of Science and Engineering.

#### Electrical Engineering B.S.E. (Computer Engineering Emphasis) Curriculum

The typical course of study leading to the B.S.E. degree in Electrical Engineering with the Computer Engineering emphasis is as follows:

##### Freshman Year

##### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

##### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*

- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

Sophomore Year

Fall Semester

- CMSI 185 Computer Programming *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

Spring Semester

- CMSI 186 Programming Laboratory *3 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Junior Year

Fall Semester

- CMSI 281 Data Structures *3 semester hours*
- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 383 Introduction to Microprocessors *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Spring Semester

- CMSI 284 Computer Systems Organization *3 semester hours*
- ELEC 302 Junior Lab II *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- ELEC 371 Linear Systems *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Senior Year

## Fall Semester

- ELEC 400 Design Methodology 2 *semester hours*
- ELEC 401 Senior Lab I 3 *semester hours*
- ELEC 423 Communications I 3 *semester hours*
- ELEC 584 Introduction to Microprocessors II 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours

## Spring Semester

- ELEC 402 Senior Project 3 *semester hours*
- ELEC 424 Communications II 3 *semester hours*
- MATH 355 Methods of Applied Mathematics 3 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Seaver Elective 3 *semester hours*

Total: 15-16 semester hours

## Certificate

### Machine Learning Certificate

This certificate program aims at developing skills and understanding for the development of new technologies that take advantage of Machine Learning. Students will first be introduced to the foundational mathematics of Machine Learning and the programming languages for the implementation of these mathematical concepts. Students will then further advance their understanding and programming skills for supervised machine learning. The last course will cover deep learning and the development of a final product in which all programming skills of previous courses will be applied

Upon completion of the certificate program, the student may formally apply and enroll in the Master of Science in Engineering (M.S.E.) in Electrical Engineering program, and all courses completed toward the certificate will be applied toward the M.S.E. degree.

#### Program Educational Objectives

The Machine Learning Certificate program has established the following program educational objectives:

1. to provide an opportunity for working professionals to expand and update their knowledge base to facilitate promotion and career advancement
2. to provide a first step into an advanced degree program

#### Student Outcomes

The Machine Learning Certificate program has established the following student outcomes. Graduates of the program will be able to:

- a. explain mathematical concepts of data science related to Machine Learning (ML) and program them using a programming language used in ML applications
- b. implement ML algorithms to solve problems in real-world situations

- c. analyze and evaluate ML algorithms in different real-world situations
- d. implement Deep-Learning (DL) algorithms to solve problems in real-world situations
- e. analyze and evaluate DL algorithms in different real-world situations

#### Admission Requirements

- B.S. degree or higher in any engineering discipline or consent of the Graduate Director
- Proficiency in Mathematics through differential and integral calculus
- Basic programming (e.g., Matlab, C, C++, Java, Python)

#### Graduation Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher:

- ELEC 533 Data Science for Machine Learning *3 semester hours*
- ELEC 535 Machine Learning *3 semester hours*
- ELEC 634 Deep Learning Applications *3 semester hours*

## Internet of Things Certificate

This certificate program aims to develop skills in and understanding of the development of new technologies that take advantage of the Internet of Things. Students will first work wireless device connectivity using radio transceivers, sensors, and microcontrollers. Students will then be introduced to internetworking protocols and the cloud, computer programming using these protocols, and wired networks of Raspberry-Pi computers. The last course will consist of the development of a final product in which all programming and hardware skills of previous courses will be applied. Cybersecurity aspects of the Internet of Things will also be covered in the last two courses as well as fog and edge computing.

Upon completion of the certificate program, the student may formally apply and enroll in the Master of Science in Engineering (M.S.E.) in Electrical Engineering program, and all courses completed toward the certificate will be applied towards the M.S.E. degree.

#### Program Educational Objectives

The Internet of Things Certificate program has established the following program educational objectives:

1. to provide an opportunity for working professionals to expand and update their knowledge base to facilitate promotion and career advancement
2. to provide a first step into an advanced degree program

#### Student Outcomes

The Internet of Things Certificate program has established the following student outcomes. Graduates of the program will be able to:

- a. describe the operation and architecture of wireless sensor networks and their limitations
- b. program and implement wireless sensor networks
- c. explain the architecture of computer networks and the Internet
- d. program and debug communication protocols for computer networks
- e. integrate wireless sensor networks, computer networks, and cloud services from the Internet to deploy IoT solutions
- f. identify cybersecurity threats to IoT solutions

#### Admission Requirements

- B.S. degree or higher in any engineering discipline or consent of the Graduate Director
- Basic programming (e.g., Matlab, C, C++, Java, Python)

### Graduation Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher:

- ELEC 572 Computer Networks and Socket Programming *3 semester hours*
- ELEC 680 Wireless Sensor Networks *3 semester hours*
- ELEC 681 Internet of Things *3 semester hours*

## Dual-Degree

### Dual M.S. in Electrical in Electrical Engineering/Master of Business Administration

The mission of the Dual Degree MSE in Electrical Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of complex technical endeavors within their sponsoring organizations.

The dual degree MSE/MBA program will confer two degrees upon its graduates: an MBA and an MSE in Electrical Engineering. Taking the dual degree program saves the student several courses compared to the two programs taken separately. Students may also obtain either the MSE in Electrical Engineering degree or the MBA degree as stand-alone by fulfilling the individual degree requirements.

The dual degree program is designed to be completed in approximately three years. Typically, electrical-engineering classes are completed first, followed by taking the required classes in the MBA program.

Program Educational Objectives (PEOs), Student Outcomes (SOs), and Learning Outcomes (LOs)

The PEOs and SOs of the MS degree and the LOs of the MBA degree are the same as those of the stand-alone degrees.

### Admission Requirements

Students seeking admission should have completed an undergraduate program in electrical engineering, computer science, or a closely related field. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in electrical or computer engineering.

Each of the two programs, MBA and MSE in Electrical Engineering, will review applications to the dual-degree program, and admission to the dual degree program will be granted only when each individual program recommends admission. Applicants who do not qualify for the dual-degree program must apply separately to the single degree program of interest.

Prospective students need to submit only one application to the LMU Graduate Division. Applicants must submit:

- Application fee
- GMAT or GRE score for admission into the College of Business Administration. The GMAT/GRE waiver policy and school codes are listed in the MBA program website.
- Transcript documenting the Bachelor's degree with a GPA of 3.0 or better, and transcripts from every

college or university attended, whether or not a degree was earned

- Resume
- Personal statement discussing how the dual degree program supports the applicant's professional development
- (Optional) Two letters of recommendation
- Two years of full-time work experience is preferred

### Graduation Requirements

Students enrolled in the Dual Degree MSE/MBA Program are jointly advised by the program directors of the MSE in Electrical Engineering and MBA programs. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of electrical-engineering courses the first year and begin the MBA curriculum in year two. Additional electrical-engineering courses can be completed in year three.

Students need to complete 36 units of MBA courses (i.e., MBA curriculum without emphasis/specialization) and 24 units of electrical-engineering courses (i.e., MSE in Electrical Engineering curriculum without 6 units of elective courses) with a cumulative grade point average of at least B (3.0). Therefore, students need to complete a total of 60 units to graduate. 15 units of electrical-engineering courses will be used to satisfy the emphasis/concentration requirement of the MBA degree. 6 units of MBA courses will be used to satisfy elective requirements of the MSE degree. Of the electrical-engineering coursework, 15 units must be completed at the 600-level, and courses at the 500-level must be completed with a grade of B (3.0) or better.

When the course requirements outlined above are completed, the student will be awarded both the MBA degree and the MSE degree in Electrical Engineering.

## Masters

### Electrical Engineering, M.S.E.

The graduate program in Electrical Engineering is designed to provide theoretical knowledge as well as practical applications in the areas of communication systems, electronic circuits, computer systems engineering, and systems design. In this program, working engineers are given an opportunity to continue their education on a part-time basis, while full-time students have the opportunity to conduct research under the guidance of a faculty advisor. Upon graduation from the program, students will be conferred the degree Master of Science in Engineering (M.S.E.) in Electrical Engineering.

#### Program Educational Objectives

The Electrical Engineering graduate program has established the following program educational objectives. Graduates of the program will:

1. Possess in-depth expertise for a successful engineering career and/or a successful undertaking of further graduate level studies;
2. Meet the challenges of the future through continuing professional growth; and
3. Exhibit concern for social and environmental impact of engineering decisions.

#### Student Outcomes

The Electrical Engineering graduate program has established the following student outcomes:

- a. an ability to apply advanced knowledge of mathematics, science, and engineering to identify, formulate and solve complex engineering problems in a specialized area, such as electronic circuit design, telecommunications and networks, or digital and computer engineering
- b. an ability to apply both analysis and synthesis in the engineering design process, resulting in designs that meet constraints and specifications, which include societal, environmental, and ethical factors as appropriate to the design
- c. an ability to develop and conduct appropriate experimentation and testing procedures using advanced analytical/numerical techniques and/or modern engineering tools, and to analyze and draw conclusions from data
- d. an ability to conduct graduate level research with adequate research skills including information literacy and self-learning
- e. an ability to communicate effectively with a range of audiences through various media
- f. an ability to plan and manage engineering projects, including goal establishment, task scheduling, and risk and uncertainty management

### Admission Requirements

Students seeking admission should have completed an undergraduate program in electrical engineering, computer science, or a closely related field. To be considered for admission, students must submit an application, \$50 application fee, a statement of intent, and transcripts. Letters of recommendation and the Graduate Record Exam (GRE) are optional. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in electrical or computer engineering.

**Transfer Credit.** Students may transfer six (6) semester hours for courses completed at another regionally accredited college or university. Credits to be transferred must be taken prior to admission. Each transferred course grade must be at least B (3.0), and the course must not have been used to satisfy degree requirements at another college or university.

### Graduation Requirements

A degree candidate is required to complete, with a cumulative grade point average of at least B (3.0), a program of study comprising a minimum of thirty (30) or more semester hours of graduate-level coursework (i.e., 500-level or 600-level courses). Additional prerequisite (undergraduate) courses may be required as deemed appropriate by the advisor in consultation with the department. Of the graduate-level coursework, at least fifteen (15) semester hours are to be in 600-level courses. Students must achieve a grade of B (3.0) or better in all 500-level courses. Applicable courses generally include both CMSI and ELEC courses offered by this department, as well as appropriate courses from mathematics or other disciplines. At least twenty-four (24) semester hours must be in ELEC courses.

The program of study must include the following courses: ELEC 521, ELEC 532, ELEC 584, and ELEC 694 or Master's Thesis. One or more of the 500-level required courses may be waived if the student demonstrates satisfactory completion of a similar course. Waived courses will be replaced by electives at the 500 or 600 level.

### Curriculum

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. The 30 semester hours of required coursework is allocated as follows:

- ELEC 521 Introduction to Communication Systems 3 *semester hours*

- ELEC 532 Probability and Random Processes *3 semester hours*
- ELEC 584 Introduction to Microprocessors II *3 semester hours*
- Elective *3 semester hours*
- One of the following three options:
  - Option 1:
    - Elective *3 semester hours*
    - Elective *3 semester hours*
    - ELEC 694 Graduate Capstone Project
  - Option 2:
    - Elective *3 semester hours*
    - ELEC 695 Master's Thesis I
    - ELEC 696 Master's Thesis II
  - Option 3:
    - ELEC 695 Master's Thesis I
    - ELEC 696 Master's Thesis II
    - ELEC 697 Master's Thesis III

#### Master's Thesis Option

Preparation of a Master's Thesis is optional and can fulfill up to a maximum of 9 semester hours of elective course requirements. The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered, and the thesis must conform to the Frank R. Seaver College of Science and Engineering requirements. The thesis and associated work is intended to advance the state of knowledge in the thesis subject not "rehash" previous work by others or a serve as a "literature search." To the extent possible, there should be some experimental work involved. The thesis ideally will form the basis for a paper or article, produced by a student, which would be submitted and hopefully published in a peer-reviewed journal or presented at a professional organization's conference. A thesis is completed after being successfully defended to the thesis committee. With direction from the Graduate Director, a thesis committee will be formed. The thesis committee consists of the student's thesis advisor, a full-time faculty member from the student's department, and a third member from other than the student's department.

#### Combined B.S./M.S.E. Degrees in Electrical Engineering

This program is designed for LMU students to receive a combined B.S. and M.S.E. degree by continuing their studies in LMU's Master's programs, immediately following their B.S. degree. The program allows students to complete the M.S.E. degree in one year.

Only LMU students in senior year Electrical Engineering (either emphasis) with a GPA of 3.0 or higher are eligible to apply. The deadline for application is one month prior to completing all undergraduate

requirements. Students can enter this program any term immediately following completion of their undergraduate degree requirements. The candidate for the combined B.S./M.S.E. degree must satisfy the following requirements:

- One Frank R. Seaver College of Science and Engineering 500-level course taken as an undergraduate may count toward the M.S.E. degree. This course can be double-counted for the B.S. degree and the M.S.E. degree. The student is required to complete 27 additional semester hours after earning the B.S. degree.
- In addition, for an admitted student, an extra Frank R. Seaver College of Science and Engineering 500-level course may be taken in their senior year that counts towards the M.S.E. degree and not the B.S. degree. This potentially reduces the total number of additional semester hours after earning the B.S. degree to 24.
- The student should take two 500- or 600-level courses during summer following senior year.
- Complete ELEC 532 Probability and Random Processes and two ELEC 600-level courses during fall following senior year.
- Complete ELEC 521 Introduction to Communication Systems, ELEC 584 Introduction to Microprocessors II, and ELEC 694 Graduate Capstone Project during spring following senior year. If ELEC 584 Introduction to Microprocessors II was completed in the undergraduate program, the student should then register in an ELEC 500- or 600-level course instead.
- 500-level courses already completed for the B.S. degree cannot be retaken.
- The student may select the thesis option with consent from the academic advisor and Graduate Director.

## Minor

### Electrical Engineering Minor

A minor field program in Electrical Engineering consists of 18 semester hours of coursework to be determined in consultation with the Department Chairperson. Participation in the minor field program requires the approval of the student's major field faculty advisor and the Department Chairperson in the student's major field.

The typical set of courses includes ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 353, and either ELEC 383 (for a digital emphasis) or one of ELEC 354 or ELEC 371 (for an analog emphasis). As many of the courses have prerequisites, the following suggested schedule is provided:

Year	Semester	Courses
1	Fall	MATH 131
	Spring	MATH 132
2	Fall	ELEC 210
		ELEC 213
		MATH 245
Spring	ELEC 220	
		ELEC 281

Year	Semester	Courses
3	Fall	ELEC 301 ELEC 353
	Spring	ELEC 354* ELEC 371*
4	Fall	ELEC 383*
<i>*Take only one of the starred courses.</i>		

## Environmental Science

### Director

Rachel G. Adams

### Faculty Affiliates

Rachel G. Adams, Nicole C. Bouvier-Brown, Lambert A. Doezema, Tom Ford, Karina Johnston, James M. Landry, Michelle R. Lum, Jeremy S. Pal, Martina Ramirez, Eric Strauss, Demian Willette

### Emeritus Faculty

John H. Dorsey

### Bachelors

## Environmental Science, B.S.

### Objectives

The objective of the Environmental Science major is to prepare students for a career in the field of environmental sciences. Students receiving this degree can either pursue graduate studies or enter the field of environmental science where jobs are available, for example, with private businesses, governmental agencies, and environmental non-profits and advocacy groups.

The Environmental Science major is a rigorous interdisciplinary program involving course work in biology, chemistry, physics, mathematics, and environmental science and engineering. The learning outcomes for this degree program are:

1. Students will be able to apply the scientific method to formulate and test hypotheses.
2. Students will be able to assess and evaluate effectively global environmental processes embedded in a social and ethical context.
3. Students will have proficiency in the following: Earth systems science, micro- and macroevolution, ecosystem services, and anthropogenic impacts on ecosystems.

4. Students will have proficiency in the fundamental concepts of the physical and life sciences.
5. Students will have basic field, laboratory, and analytic skills in a quantitative capacity.
6. Students will effectively communicate through written assignments and oral presentations.
7. Students will demonstrate critical thinking skills needed for assessing and solving problems relating to environmental issues and policies.

Laboratory courses are designed to maximize hands-on experience in collecting samples from various media, and using an array of equipment to characterize samples of soils, water, and air. Many of the environmental science courses include field trips to the adjacent Ballona Wetlands and Santa Monica Bay to demonstrate methods for collecting samples, and to study environmental conditions and resident biota. Internships with local environmental organizations and companies are an integral component of the program. The major requires that the student conduct a research project followed by presentation of results upon completion.

### Major Requirements

#### Lower Division Requirements:

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*
- ENVS 210 Surveying and Mapping *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- MATH 123 Calculus for the Life Sciences II *3 semester hours*
- MATH 204 Applied Statistics *3 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- PHYS 254 General Physics II *4 semester hours*

#### Note:

In order to be eligible to take an upper division science course, a student must have a C (2.0) average in the lower division science courses.

#### Upper Division Requirements:

33 upper division science hours which will include:

- ENVS 318 Principles of Ecology *3 semester hours*
- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*

- ENVS 359 Environmental Chemistry Lab *1 semester hours*
- ENVS 361 General Microbiology *3 semester hours*
- ENVS 362 General Microbiology Laboratory *1 semester hours*
- ENVS 491 Environmental Science Capstone I *2 semester hours*
- ENVS 492 Environmental Science Capstone II *2 semester hours*
- ENVS 493 Environmental Science Internship *1 TO 3 semester hours* (enroll in 2 semester hours)

One (1) applied Ecology elective (*3 semester hours*) selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- or by consent of director

In addition, 10 upper division science elective hours are required, to be selected from:

- ENVS 310 Oceanography *3 semester hours*
- ENVS 356 Sustainable Practices *3 semester hours*
- ENVS 505 Aquatic Chemistry *3 semester hours*
- ENVS 507 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 508 Contaminant Fate, Transport, and Remediation *3 semester hours*
- ENVS 513 Solid Waste Engineering *3 semester hours*
- ENVS 525 Inland Waters *3 semester hours*
- ENVS 580 Engineering Geology *3 semester hours*
- ENVS 581 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 582 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 584 Climate Change and Impacts *3 semester hours*
- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 334 Invertebrate Zoology *4 semester hours*
- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 474 Principles of Evolution *3 semester hours*
- BIOL 477 Conservation Genetics *4 semester hours*
- CHEM 354 Air Pollution: Atmospheric Chemistry *3 semester hours*
- CHEM 356 Sustainable Practices *3 semester hours*
- CHEM 460 Instrumental Analysis and Lab *4 semester hours*
- CHEM 482 Toxicology *3 semester hours*
- CHEM 560 Introduction to Modern Spectroscopy *3 semester hours*
- CIVL 501 Sustainable Water Quality and Resources *3 semester hours*
- CIVL 553 Modeling Environmental and Water Resources Systems *3 semester hours*
- HHSC 322 Public Health *3 semester hours*
- or by consent of director.

Note:

A student must have a C (2.0) average in upper division science courses.

B.S. Degree in Environmental Science

**(125 S.H.)**

Freshman Year

Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 15-16 semester hours

Spring Semester

- BIOL 102 General Biology II *3 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 15-16 semester hours

Sophomore Year

Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- MATH 123 Calculus for the Life Sciences II *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

Spring Semester

- BIOL 202 Genetics *3 semester hours*
- ENVS 210 Surveying and Mapping *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- MATH 204 Applied Statistics *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Junior Year

## Fall Semester

- ENVS 318 Principles of Ecology *3 semester hours*
- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 493 Environmental Science Internship *1 TO 3 semester hours* (enroll in 2 semester hours)
- PHYS 253 General Physics I *4 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

## Spring Semester

- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- ENVS 359 Environmental Chemistry Lab *1 semester hours*
- Upper Division Applied Ecology Elective *3 semester hours\**
- PHYS 254 General Physics II *4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-15 semester hours

## Senior Year

### Fall Semester

- ENVS 361 General Microbiology *3 semester hours* OR BIOL 460 Environmental Microbiology *3 semester hours*
- ENVS 362 General Microbiology Laboratory *1 semester hours*
- ENVS 491 Environmental Science Capstone I *2 semester hours*
- Upper Division Science Elective *3 semester hours\*\**
- Upper Division Science Elective *3 semester hours\*\**
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- ENVS 492 Environmental Science Capstone II *2 semester hours*
- Upper Division Science Elective *4 semester hours\*\**
- Upper Division Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-14 semester hours

Total: 119-128 semester hours

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

Notes:

\* Applied Ecology elective is selected from: BIOL 312, BIOL 314, BIOL 315, BIOL 316, BIOL 321, BIOL

322, BIOL 422, or by consent of director.

\*\* Upper Division science electives are selected from: ENVS 310, ENVS 356, ENVS 505, ENVS 507, ENVS 508, ENVS 513, ENVS 525, ENVS 581, ENVS 584, CIVL 501, CIVL 553, BIOL 311, BIOL 333, BIOL 334, BIOL 335, BIOL 474, BIOL 477, CHEM 354, CHEM 356, CHEM 460, CHEM 482, CHEM 560, HHSC 322, or by consent of director.

\*\*\* Dean's list requires a minimum of 15 semester hours.

## **Dual-Degree**

### **Dual M.S. in Environmental Science/Master of Business Administration**

The mission of the Dual Degree MS in Environmental Science/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Environmental Science. Students may obtain either an MS in Environmental Science or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Environmental Science/MBA program is designed to be completed in approximately three years. Typically, the Environmental Science classes are completed first, followed by taking the required classes in the MBA program.

#### Learning Outcomes

For the Environmental Science M.S.:

1. Apply scientific, mathematical, and sustainability principles to analyze and develop solutions to problems in environmental science and engineering;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science and engineering; and
3. Effectively communicate scientific and engineering principles related to the environment and sustainability.

For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.

- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

### Admissions

Both the MBA Program in the College of Business Administration and the Environmental Science Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the dual degree program for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science with a GPA of 3.0 or better
- Two years of full-time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

### Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Environmental Science and Engineering Management in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Environmental Science courses the first year of the dual-degree program, then begin the MBA curriculum in year two, and select electives and additional Environmental Science courses in year three.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Environmental Science courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the are taken as part of the MBA coursework and apply to the M.S. in Environmental Sciencei

MBA curriculum (no emphasis) Note: 5 Environmental Science Courses count towards the electives in the MBA program	36 semester hours
MS in Environmental Science Eight Courses in Environmental Science, Note: 2 MBA courses count towards electives for the MS in Environmental Science	24 semester hours
Dual Degree Total:	60 semester hours

Note: The Graduate Program Director for the MS in Environmental Science has the discretion to substitute other Environmental

Science coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note: When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Environmental Science.

## Minor

### Environmental Science Minor

Minor Requirements

(28 semester hours)

21 Semester Hours:

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*

One (1) Environmental Chemistry course (3 semester hours) selected from:

- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*

One (1) Ecology elective (3 semester hours) selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*

One Upper Division Laboratory course (1 semester hour) selected from:

- BIOL 322 Urban Ecology Lab *1 semester hours*
- ENVS 359 Environmental Chemistry Lab *1 semester hours*
- May be selected by lab component within  
BIOL 312  
BIOL 314  
BIOL 318 or  
BIOL 422
- or by consent of director

Note:

Any substitution must be made with the consent of the Director of the Environmental Science program.

A grade of C (2.0) must be obtained in each course included in the minor.

## **Health and Human Sciences**

### **Faculty**

Chairperson: Sarah L. Strand

Professor: Hawley C. Almstedt

Associate Professor: Todd C Shoepe, Sarah L. Strand, Heather P. Tarleton

Assistant Professors: Christopher Cappelli, William P. McCormack, Jenevieve L. Roper

### **Degree**

The Department offers a Bachelor of Science in Health and Human Sciences.

### **Mission Statement**

Within the context of LMU's mission, the Department of HHSC strives to cultivate educated students in the subjects of HHSC with quality classroom preparation for graduate schools and professional careers as well as relevant clinical, practical and evidence-based experience in health related fields. Such fields include, but are not limited to: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training. The Department prepares students in a positive environment that encourages the development of the whole person.

# Vision Statement

The vision of the Department of HHSC is to develop quality graduates in the area of health science and its related professions. Excellence in development of the health science student is based on academics, research, service, professional and practical experiences.

## Bachelors

### Health and Human Sciences, B.S.

#### Student Learning Outcomes

1. Students will demonstrate basic understanding and appreciation of the human body's relationship to health and wellness through science, theory and application.
2. Students will demonstrate effective communication skills necessary to explain to others effectively and accurately about human health and wellness in a variety of organizational and institutional settings.
3. Students will demonstrate critical-thinking skills and the ability to access and critically evaluate relevant health information and resources.
4. Students will demonstrate the interpersonal skills required to work cooperatively with diverse individuals and groups on issues related to the human condition.
5. Students will demonstrate basic understanding and appreciation of cultural, philosophical and professional considerations related to health and wellness.
6. Students will demonstrate a world view that integrates spiritual and ethical values with their vocational calling.
7. Students will have clear career goals and demonstrate practical preparation for their career.

#### Current LMU Students Interested in Transferring to the Department of Health and Human Sciences

Students who are currently enrolled in another major at LMU, but are interested in changing their major to HHSC are encouraged to apply during their first year at LMU. Students are asked to state their interest in HHSC by completing an application available from the department chairperson. In addition, students will need to complete MATH 122 and CHEM 110 with a minimum grade of C (2.0) in each class and have a minimum cumulative GPA of 3.0. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request. The evaluation process will take place during the Fall and Spring semesters with students being informed once the evaluation process has been completed.

#### Bachelor of Science (B.S.) in Health and Human Sciences

The Health and Human Sciences major offers specialized programs to provide prerequisite training for graduate programs or careers in such fields as: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training.

#### Major Requirements

In order to graduate, a student must have a C (2.0) average in the lower division science courses and a C (2.0) average in the upper division science courses.

#### Lower Division Requirements:

- BIOL 101 General Biology I 3 *semester hours*

- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 216 Medical Microbiology 3 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours*
- MATH 204 Applied Statistics 3 *semester hours*
- HHSC 155 Human Anatomy and Physiology I 3 *semester hours*
- HHSC 156 Human Anatomy and Physiology I Lab 1 *semester hours*
- HHSC 190 Medical Terminology and Seminar 3 *semester hours*
- HHSC 230 Nutrition 3 *semester hours*
- HHSC 255 Human Anatomy and Physiology II 3 *semester hours*
- HHSC 256 Human Anatomy and Physiology II Lab 1 *semester hours*
- PHYS 253 General Physics I 4 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*
- PSYC 1000 General Psychology 4 *semester hours*

#### Upper Division Requirements:

A total of 31 of upper division semester hours are required: 27 semester hours of upper division HHSC and 4 semester hours of PSYC must be completed. Within the 27 semester hours of HHSC, students need to complete:

- A minimum of one 3-semester-hour course from each of the four categories listed below (Clinical; Health Management and Policy; Health and Wellness; Exercise Science)
- 3 laboratory courses (a combination of Upper and Lower Extremities counts as a lab course equivalent)
- 1 semester hour of HHSC 495 Allied Health Internship and 2 semester hours of HHSC 497 Allied Health Internship II. A maximum of 6 semester hours of independent study coursework may count in the upper division major category. This includes any HHSC course between the numbers of 490 and 499, except 498.

One course outside of HHSC may be used to complete the 27 semester hours of upper division HHSC with approval of the Department Chair.

Students are required to take PSYC 3038 or PSYC 3052. A student must have a C (2.0) average in upper division science courses.

#### Clinical Courses

- HHSC 350 Exercise for Special Populations 3 *semester hours*
- HHSC 360 Upper Extremity Evaluation 3 *semester hours*
- HHSC 361 Lower Extremity Evaluation 3 *semester hours*
- HHSC 460 Therapeutic Modalities in Sports Medicine 3 *semester hours*
- HHSC 461 Therapeutic Rehabilitation in Sports Medicine 3 *semester hours*

#### Health Management and Policy Courses

- HHSC 312 Healthcare Administration 3 *semester hours*
- HHSC 322 Public Health 3 *semester hours*

- HHSC 412 Administration in Sports Medicine *3 semester hours*
- HHSC 413 Medical Bioethics *3 semester hours*
- HHSC 420 Chronic Disease and Injury Epidemiology *3 semester hours*

#### Health and Wellness Courses

- HHSC 320 Obesity and Behavior *3 semester hours*
- HHSC 342 Peer Health Education *3 semester hours*
- HHSC 404 Drugs, Addiction, and Health *3 semester hours*
- HHSC 430 Advanced Nutrition *3 semester hours*

#### Exercise Science Courses

- HHSC 375 Science Principles of Strength and Conditioning *3 semester hours*
- HHSC 380 Kinesiology *3 semester hours*
- HHSC 475 Exercise Physiology *3 semester hours*
- HHSC 480 Biomechanics *3 semester hours*

#### B.S. Degree in Health and Human Sciences

**(122 S.H.)**

#### Freshman Year

##### Fall Semester

- HHSC 190 Medical Terminology and Seminar *3 semester hours*
- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 15-16 semester hours

##### Spring Semester

- HHSC 155 Human Anatomy and Physiology I *3 semester hours*
- HHSC 156 Human Anatomy and Physiology I Lab *1 semester hours*
- HHSC 230 Nutrition *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

#### Sophomore Year

##### Fall Semester

- HHSC 255 Human Anatomy and Physiology II *3 semester hours*
- HHSC 256 Human Anatomy and Physiology II Lab *1 semester hours*
- BIOL 216 Medical Microbiology *3 semester hours*
- PHYS 253 General Physics I *4 semester hours*

- University Core 3-4 semester hours

Total: 14-15 semester hours\*

#### Spring Semester

- MATH 204 Applied Statistics 3 semester hours
- PHYS 254 General Physics II 4 semester hours
- PSYC 1000 General Psychology 4 semester hours
- University Core 3-4 semester hours

Total: 14-15 semester hours\*

#### Junior Year

##### Fall Semester

- HHSC 300 level with Lab 4 semester hours
- HHSC 300 level 3 semester hours
- HHSC 495 Allied Health Internship 1 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 14-16 semester hours\*

##### Spring Semester

- HHSC 300 level with Lab 4 semester hours
- HHSC 300 level 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours\*

#### Senior Year

##### Fall Semester

- HHSC 497 Allied Health Internship II 1 TO 5 semester hours (enroll for 2 semester hours)
- HHSC 400 level with Lab 4 semester hours
- PSYC 3038 Abnormal Psychology 4 semester hours or
- PSYC 3052 Lifespan Development 4 semester hours
- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 16-18 semester hours

##### Spring Semester

- HHSC 400 level 3 *semester hours*
- HHSC 400 level 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*

Total: 15-18 semester hours

Note:

\* Dean's List requires a minimum of 14 semester hours.

Total minimum 122 semester hours

\*\* A core course may be required to satisfy the 32-semester-hour science major core requirement.

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Examination.

## Healthcare Systems Engineering

### Faculty

**Professor:** Bohdan W. Oppenheim

**Adjunct Professors:** Kevin Baldwin, MPH, PMP, CPHIMS; Joseph M. Duhig, MBA; F. Ronald Feinstein, M.D., F.A.C.S.; Howard Fullman, M.D., FACP, FACG, FAGA; Elham Ghashghai, Ph.D.; Ali X. Ghobadi, M.D.; Michael H. Kanter, M.D., CPPS; Hugh McManus, Ph.D.; Hassan Movahedi, MD, Ph.D.; John Poladian

**Advisors:** Jamie Gearon, VA GLA; Michael H. Kanter, M.D., CPPS, KP School of Medicine; Gail Lindsay, Providence St. Joseph Health; Mitesh B. Rao, MD, MHS, Stanford Health; Ilan Shapiro Stygler, M.D., AltaMed; Drew Weil, UCLA Health; Jeffrey Weisz, M.D., ret. Executive Medical Director and Chairman of the Board for Kaiser Permanente

### Contact Information

**Graduate Director:** Bohdan W. Oppenheim

**Office Location:** Pereira 204

**Telephone:** 310.338.2825

**E-mail:** boppenheim@lmu.edu

### Certificate

#### Lean Healthcare Systems Certificate

The three-course graduate certificate in Lean Healthcare Systems is a convenient advanced program for healthcare professionals (providers, nurses and administrators in hospitals, emergency departments, operating rooms, clinics, clinical laboratories, radiology laboratories, pharmacies and supply chain) desiring to acquire powerful and practical knowledge of streamlining operations, eliminating waste and increasing value to

patients, providers and the enterprise using Lean management. The Certificate delivers modern and comprehensive practical education. No prior knowledge of Lean is required. The program is managed by the faculty of the Healthcare Systems Engineering program. The students who complete the Certificate program with the GPA of "B" or higher can apply for re-admission into the Master's degree program in Healthcare Systems Engineering and have all certificate courses credited towards the Master's program.

### Admission Requirements

- Application to Graduate Admission and a \$50 application fee. To apply on-line, visit <http://graduate.lmu.edu>.
- B.S. or B.A. from an accredited university program
- Undergraduate transcript
- Two years' work experience in healthcare environment
- Two letters of recommendation from employers (one current) or former professors.
- Promising applicants who do not satisfy these requirements may be considered for conditional admission and, when so admitted, must demonstrate satisfactory performance during their first year in the program.

### Graduation Requirements

Completion of the following three courses (9 semester hours):

- HSEG 535 Lean Healthcare *3 semester hours*
- HSEG 635 Advanced Lean Management of Healthcare *3 semester hours*
- HSEG 696 Project in Healthcare *3 semester hours*

The overall minimum GPA required for award of the Certificate is 2.7; the minimum grade in the 535 course is B, and the minimum grade in the 600-level courses is C.

### Schedule

The Certificate can be completed in 10 months, as follows. The online HSEG 535 Lean Healthcare course is offered in Summer Session II. HSEG 635 Advanced Lean Management of Healthcare is offered in class in the Fall semester (one evening per week). The Project course, HSEG 696 Project in Healthcare, is offered in the Spring semester. The student completes the Project mostly on his/her own time, or at work, with only a few meetings with the advisor.

Registering into the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University.

## Dual-Degree

### Dual M.S. in Healthcare Systems Engineering/Master of Business Administration

The mission of the Dual Degree MS in Healthcare Systems Engineering/MBA program is to educate professionals in the healthcare systems engineering and business disciplines that will make them leaders of highly complex healthcare endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Healthcare Systems Engineering. Students may obtain either an MS in Healthcare Systems Engineering or an

MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Healthcare Systems Engineering/MBA program is designed to be completed in approximately three years. Typically, the Healthcare Systems Engineering classes are completed first, followed by taking the required classes in the MBA program.

The Dual Degree MS in Healthcare Systems Engineering/MBA program will confer two degrees upon its graduates: an MBA and an MS in Healthcare Systems Engineering. Students may obtain either an MS in Healthcare Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

### Learning Outcomes

For the Healthcare Systems Engineering M.S.:

1. Apply the fundamental principles of Healthcare Systems Engineering to complex healthcare problems
2. Become leaders of innovative healthcare projects and businesses
3. Develop multidisciplinary skills to architect, design & manage complex healthcare systems throughout their life cycle
4. Apply principles of systems engineering, systems thinking, project management and lean engineering to improve operational efficiency, reduce fragmentation, improve patient safety and reduce provider burnout, and apply state of the art knowledge to healthcare.
5. Develop technical skills to analyze, and design integrated healthcare systems

For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## Admissions

Both the MBA Program in the College of Business Administration and the Healthcare Systems Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the dual degree program for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program (or equivalent) with a GPA of 3.0 or better
- Two years of full-time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Healthcare Systems Engineering in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Healthcare Systems Engineering courses and complete the MS the first year of the dual-degree program, then begin the MBA curriculum in year two.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Healthcare Systems Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the are taken as part of the MBA coursework and apply to the M.S. in Healthcare Systems Engineering.

MBA curriculum (no emphasis) Note: 5 Healthcare Systems Engineering Courses count Towards the electives in the MBA program	36 semester hours
MS in Healthcare Systems Engineering Eight Courses in Healthcare Systems Engineering, Note: 2 MBA courses count toward elective For the MS in Healthcare Systems Engineering	24 semester hours
Dual Degree Total:	60 semester hours

Note: The Graduate Program Director for the MS in Healthcare Systems Engineering has the discretion to substitute other Healthcare Systems Engineering coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note: When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Healthcare Systems Engineering.

## Masters

### Healthcare Systems Engineering, M.S.

The Healthcare Systems Engineering (HSE) Master's Program offers the two following modalities:

1. **4+1 HSE program** for LMU undergraduate science students who earn their BS degree at LMU and wish to earn the MS degree one year later
2. **A regular HSE MS program**

#### Objectives and Outcomes of Healthcare Systems Engineering Master's Program

1. To serve the healthcare industry with innovative comprehensive education in systems-based healthcare operations management, enabling graduates for successful professions throughout healthcare. Potential applications include: clinical and operational management within hospitals, clinics, radiology and clinical laboratories, pharmacies, emergency departments, operating rooms, healthcare enterprise IT systems; as well as industry initiatives such as lifecycle patient wellness and population health, telemedicine, health delivery systems, and medical device systems. Educational Outcome: All students will appreciate and understand these applications.
2. To integrate academic training with industry application, through effective partnerships with national recognized faculty from LMU, Kaiser Permanente, UCLA Health, and other healthcare organizations, who deliver exciting and important curriculum, as well as student projects, internships, and industry connections. Educational Outcome: All students will perform a Capstone Project with relevant and practical industrial application.
3. To equip graduates with industry-leading knowledge in health systems engineering, systems-enhanced lean management, and project management, providing management skills that enables graduates to effectively lead systems-based change initiatives within the healthcare setting. Educational Outcome: All students will perform a Capstone Project demonstrating systems engineering and project management process and skills. Two advanced Lean courses will test students' ability to apply Lean methods.
4. To assure continued program excellence and industry relevance with nationally recognized experts serving on the HSE Board of Advisors. Educational Outcome: All students will have an opportunity to interact with national experts in their classes, in guest lectures and seminars and in industrial visits.
5. To serve our students, graduates, and the industry with opportunities to enhance ethical healthcare using resources of the renown LMU Bioethics Institute. Educational Outcome: Students will be exposed to the Bioethics Institute operations and relevance in healthcare operations via a guest lecture.

#### 4+1 HSE Program for LMU Undergraduate Science Students

##### Admission Requirements

- Senior standing in Fall semester; apply by November 1 in the Senior year. Admissions decided during the month of November. Enter the program in the Senior Spring Semester.
- Application to Graduate Admission and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.

- Undergraduate GPA of at least 3.0 recommended. Lower GPA will be considered on a case-by-case basis.
- Essay demonstrating passion for a healthcare career
- Two letters of recommendation

### Graduation Requirements

One course (HSEG 515 Healthcare Delivery Systems) to be taken in the Senior year as an undergraduate elective (included in the undergraduate tuition), plus 9 HSE courses.

### Core Courses

- HSEG 505 Systems Engineering for Healthcare *3 semester hours*
- SYEG 510 Project Management *3 semester hours*
- HSEG 515 Healthcare Delivery Systems *3 semester hours* (taken as an undergraduate elective in the Senior year included in the undergraduate tuition)
- HSEG 535 Lean Healthcare *3 semester hours*
- HSEG 625 Patient Safety and Quality Systems *3 semester hours*
- HSEG 635 Advanced Lean Management of Healthcare *3 semester hours*
- HSEG 665 Population Health and Big Data Analytics *3 semester hours*
- HSEG 675 Healthcare Enterprise Informatics and Electronic Health Records *3 semester hours*
- HSEG 695 Preparation for Capstone Project *0 semester hours*
- HSEG 696 Project in Healthcare *3 semester hours*

### Elective Course

One course to be selected from the following electives:

- HSEG 545 Healthcare Seminar *3 semester hours* \*
- HSEG 655 Medical Devices and Integrated Systems *3 semester hours* \*
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours* \*
- HSEG 699 Independent Studies *1 TO 3 semester hours* \*

### Notes:

\* In any given year, between two and four of these elective courses will be offered depending on the number of students and their interests.

The Capstone Project HSEG 696 Project in Healthcare should be taken in the last Spring or Fall semester of the studies.

HSEG 699 Independent Studies must be pre-approved by the Advisor.

### Schedule

- Take the first course HSEG 515 Healthcare Delivery Systems in Senior Spring semester as an Elective, under the undergraduate tuition
- Graduate normally with the BS degree in May of the Senior year
- As a graduate student, follow with the HSEG 535 Lean Healthcare course in Summer Session II
- Follow with four courses in the Fall semester and four in the Spring semester
- Graduate with MS degree in May
- The students who fail to follow this schedule default to the regular HSE MS program.

For more information, contact Dr. Bo Oppenheim, [boppenheim@lmu.edu](mailto:boppenheim@lmu.edu), 310.338.2825.

## HSE Program for Regular Students

### Admission Requirements

- Application to Graduate Admission and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Bachelor's degree in science and engineering from a U.S. accredited university. Candidate with degrees from U.S. accredited universities in other fields (e.g., psychology, pre-med, business) who have completed upper division science, mathematics and statistics courses will be evaluated individually.
- Minimum cumulative GPA of 3.0 recommended. Lower GPA will be considered on a case-by-case basis.
- Essay demonstrating passion for a healthcare
- 2 letters of recommendation

### Graduation Requirements

The requirement for the MS in HSE is 30 semester hours (10 courses at three semester hours each).

### Core Courses

- HSEG 505 Systems Engineering for Healthcare *3 semester hours*
- SYEG 510 Project Management *3 semester hours*
- HSEG 535 Lean Healthcare *3 semester hours*
- HSEG 625 Patient Safety and Quality Systems *3 semester hours*
- HSEG 635 Advanced Lean Management of Healthcare *3 semester hours*
- HSEG 665 Population Health and Big Data Analytics *3 semester hours*
- HSEG 675 Healthcare Enterprise Informatics and Electronic Health Records *3 semester hours*
- HSEG 695 Preparation for Capstone Project *0 semester hours*
- HSEG 696 Project in Healthcare *3 semester hours*

### Elective Courses

Two (2) courses to be selected from the following electives:

- HSEG 515 Healthcare Delivery Systems *3 semester hours* (mandatory, if the student lacks healthcare background)
- HSEG 545 Healthcare Seminar *3 semester hours*
- HSEG 655 Medical Devices and Integrated Systems *3 semester hours* \*
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours*
- HSEG 699 Independent Studies *1 TO 3 semester hours*

### Note:

- \* In any given year, between two and four of these elective courses will be offered depending on the number of students and their interests.

### Notes:

Students lacking healthcare work experience will need to include HSEG 515 Healthcare Delivery Systems as one elective.

The Capstone Project, HSEG 696 Project in Healthcare, should be taken in the last Spring or Fall semester of the studies.

HSEG 699 Independent Studies must be pre-approved by the Advisor.

### Schedule

- Application deadline for regular students: year round.
- Students can be admitted either for the Summer Term II or Spring Semester (note: no Fall semester admissions). Students with work experience in healthcare will enter the program in the Summer Term II with the course HSEG 535 Lean Healthcare. Students without experience in healthcare will enter the program in the Spring semester with HSEG 515 Healthcare Delivery Systems, and follow with the HSEG 535 Lean Healthcare in Summer Session II.
- The remaining courses can be accomplished at the student's own pace. Two courses per each Fall and Spring semester is considered a full load. HSE students are free to take between one and four courses per semester.

The students with healthcare work experience may complete the HSE MS program in one year by following this aggressive schedule:

- Enter the program in the Summer Term II with the course HSEG 535 Lean Healthcare.
- Follow with four courses in the Fall and four in the Spring semesters.
- End with an Elective course in the Summer Term I.

### Online and Face-to-Face Courses

Starting in Fall 2020, all HSE courses will be available online. The following courses will be delivered only online: HSEG 535, HSEG 625, HSEG 655, HSEG 665, HSEG 675. All remaining courses can be taken in classroom, face-to-face with the instructor, as well as online. The online access instructions will be emailed to all registered students before the semester start. All students should own a laptop computer with a camera and microphone, and access to fast internet.

## Mathematics

### Faculty

Chairperson: Patrick D. Shanahan

Professors: Anna Bargagliotti, Michael Berg, Alissa S. Crans, Ben G. Fitzpatrick (Clarence J. Wallen, S.J., Chair), Lily S. Khadjavi, Suzanne Larson, Blake Mellor, Edward C. Mosteig, Patrick D. Shanahan

Associate Professors: Christina Eubanks-Turner, Thomas Laurent, Yanping Ma, Robert James Rovetti

Assistant Professors: Joshua Hallam, Junyuan Lin

Senior Instructor: Natalie Rivetti-Ortiz

Instructors: Karen Ellis, Mobashera Hallam, Vivian Lezak, Roberto Martinez

## Mathematics Graduate Program

### Contact Information

**Graduate Director:** Christina Eubanks-Turner

**Office Location:** University Hall 2712

**Telephone:** 310.338.5107

**Fax:** 310.338.3768

**E-mail:** Christina.Eubanks-Turner@lmu.edu

## **Mission Statement**

The Master of Arts in Teaching Mathematics program provides an opportunity for secondary school teachers to broaden their background in mathematical science and to connect this knowledge with current education practice.

## **Admission Requirements**

Students seeking admission to the Master of Arts in Teaching Mathematics program should have completed an undergraduate program in mathematics or a closely related field. The applicant must have been a mathematics major, mathematics minor, or had equivalent coursework. To be considered for admission, students must submit a Graduate Division application, a statement of intent, transcripts from all colleges/universities attended and the application fee. A letter of recommendation addressing the student's mathematical background and teaching experience, if any, is also required.

## **Program Requirements**

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. A degree candidate is required to complete, with an average grade of at least 3.0 ("B"), a program of study that may include prerequisite undergraduate-level coursework, and that must include thirty or more semester hours of graduate-level coursework, as deemed appropriate by the adviser in consultation with the department. Of the graduate level coursework, at least fifteen semester hours are to be in Mathematics and fifteen in Education.

## **Mathematics Undergraduate Program**

### **Mathematics Placement Examination**

The purpose of this examination is to determine the level of preparation of the student and to place her/him in the appropriate mathematics course. Any student with three years of high school mathematics including two years of algebra and one year of geometry should be adequately prepared to take this examination. However, students may wish to review these areas.

All first-year students with majors in the Frank R. Seaver College of Science and Engineering or the College of Business Administration, or who are Economics majors or Liberal Studies majors, must take the mathematics placement examination.

All students transferring into the Frank R. Seaver College of Science and Engineering or the College of Business Administration, or who are Economics majors or Liberal Studies majors, must take the mathematics placement examination unless they have transferred a college algebra, precalculus, or higher level college mathematics class approved by the Mathematics Department before entering LMU.

Any student, no matter her/his major, who plans to take MATH 106, MATH 112, MATH 120, MATH 122, or MATH 131 and who has not transferred a college algebra or higher level college mathematics class is

required first to take the mathematics placement examination. The mathematics placement examination may only be taken one time.

## **Biomathematics**

Under the direction of an advisor, the student selects courses from the fields of biology, chemistry, computer science, and mathematics and obtains a Bachelor of Science degree through the Individualized Studies Program.

Any deviation from the above programs requires formal approval of the student's advisor and the Department Chairperson.

## **Secondary Teacher Preparation Program in Mathematics**

For information on this program, see the Secondary Education Mathematics Minor section in this Bulletin.

## **Bachelors**

### **Applied Mathematics, B.S.**

This degree program is designed for students who want an interdisciplinary program that combines the study of applied and computational mathematics with a scientific area of specialization. This program can be tailored to meet the needs of students who expect to pursue a graduate degree in applied mathematics or science, expect to double-major or minor in a scientific field, or intend to work in a mathematics-related interdisciplinary field in industry.

#### Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

#### Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;
 Students will be able to:
  - i. State and use basic definitions and theorems.
  - ii. Solve basic problems.
  - iii. Decide on useful approaches to more complicated problems.
  - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

#### General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

#### Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*

- CMSI 186 Programming Laboratory *3 semester hours*
- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

Upper Division Requirements (10 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
  
- MATH 495 Mathematical Modeling *3 semester hours* or
- MATH 497 Senior Thesis *3 semester hours*
  
- Nine additional semester hours in upper division MATH electives chosen in consultation with his/her faculty advisor
- Two upper division courses in a scientific area of specialization chosen in consultation with her/his faculty advisor and approved by the Chairperson of the Mathematics Department.

Note:

Some areas of specialization require additional sophomore-level classes before upper division coursework can begin; the faculty advisor will discuss these details with the student.

Bachelor of Science in Applied Mathematics Curriculum

Freshman Year

Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
  
- University Core *3-4 semester hours* or
- Science Requirement *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- Science Requirement *3-4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

### Sophomore Year

#### Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

Note:

Dean's list requires a minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

### Spring Semester

- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Junior Year

#### Fall Semester

- MATH 321 Real Variables I *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours* \*

- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours\*\**
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

Spring Semester

- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours \**
- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours\*\**
- Elective *3-4 semester hours* or
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

Senior Year

Fall Semester

- MATH 495 Mathematical Modeling *3 semester hours*
- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours\*\**
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

Spring Semester

- MATH 3xx Mathematics Elective *3 semester hours*
- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours\*\**

- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Total: 124/126 semester hours

\* *MATH 357 and MATH 360 are both required but can be taken in any order.*

\*\* *Two upper division courses are required in a scientific area of specialization chosen with faculty advisor and approved by the Chairperson of the Mathematics Department.*

## **Mathematics, B.A.**

This major is designed for students who are interested in pursuing a career in teaching mathematics at the secondary (i.e., high school) level. With the help of her/his advisor, the student may design a schedule carefully so that s/he can complete the 2042 California Preliminary Single Subject (Secondary) Teaching Credential during her/his four years at LMU. For more details on the additional requirements for a Teaching Credential, and a sample four-year curriculum which includes both the requirement for the Bachelor of Arts in Mathematics and the Teaching Credential, see the Center for Undergraduate Teacher Preparation section in this Bulletin.

### Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

### Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,

- d. elementary numerical methods;  
 Students will be able to:
- i. State and use basic definitions and theorems.
  - ii. Solve basic problems.
  - iii. Decide on useful approaches to more complicated problems.
  - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
  3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
  4. Independent Learners. Students will be able to independently investigate a mathematical topic.
  5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

### General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

### Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- CMSI 186 Programming Laboratory *3 semester hours*
- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

Upper Division Requirements (11 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 490 History of Mathematics *3 semester hours*
  
- MATH 493 Senior Seminar for Future Mathematics Educators *3 semester hours* or
- MATH 497 Senior Thesis *3 semester hours*
  
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*
- One additional 3 semester hour upper division MATH elective chosen in consultation with her/his advisor;

Bachelor of Arts in Mathematics Curriculum

**(124/126 S.H.)**

Freshman Year

Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
  
- University Core *3-4 semester hours* or
- Science Requirement *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-18 semester hours

Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
  
- Science Requirement *3-4 semester hours* or

- University Core 3-4 semester hours

- University Core 3-4 semester hours

Total: 15-18 semester hours

Sophomore Year

Fall Semester

- MATH 234 Calculus III 4 semester hours
- MATH 248 Introduction to Methods of Proof 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 13-15 semester hours

Note:

Dean's list requires a minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

Spring Semester

- EDxx 4xx Education Requirement 3 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- MATH 250 Linear Algebra 3 semester hours
- MATH 282 Elementary Computational Methods 3 semester hours
- MATH 293 Mathematics Teaching Field Experience 0 semester hours \*\*
- University Core 3-4 semester hours

Total: 15-16 semester hours

Junior Year

Fall Semester

- EDxx 4xx Education Requirement (or 2nd Science Requirement) 3 OR 4 semester hours
- MATH 321 Real Variables I 3 semester hours
- MATH 360 Introduction to Probability and Statistics 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- MATH 331 Elements of Group Theory 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours
- MATH 490 History of Mathematics 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Senior Year

Fall Semester

- MATH 357 Complex Variables 3 semester hours
- MATH 493 Senior Seminar for Future Mathematics Educators 3 semester hours or
- MATH 497 Senior Thesis 3 semester hours
- MATH 550 Fundamental Concepts of Geometry 3 semester hours
- Elective 3-4 semester hours

Total: 15-16 semester hours

Spring Semester

- Elective 3-4 semester hours
- Elective 3-4 semester hours \*\*\*
- Elective 3-4 semester hours \*\*\*
- Elective 3-4 semester hours \*\*\*

Total: 12-16 semester hours

Total: 124/126 semester hours

\*\* *This course is required for the student who wishes to get a secondary teaching credential.*

\*\*\* *For the student who is working on the teaching credential, these semester hours can be used for secondary directed teaching (EDCE 412).*

## **Mathematics, B.S.**

This degree program is designed for students who want a broad foundation in mathematics. By choosing appropriate mathematics electives in consultation with her/his faculty advisor, the student can emphasize in pure mathematics, applied and computational mathematics, or a combination of both. The degree can be tailored to meet the needs of students who expect to pursue a graduate degree in pure mathematics, expect to pursue a graduate degree in applied mathematics, or intend to work in a mathematics-related field in industry.

Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to

exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

### Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;Students will be able to:
  - i. State and use basic definitions and theorems.
  - ii. Solve basic problems.
  - iii. Decide on useful approaches to more complicated problems.
  - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

### General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

### Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- CMSI 186 Programming Laboratory *3 semester hours*
- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

Upper Division Requirements (10 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*

One of:

- MATH 491 Senior Mathematics Seminar *3 semester hours*
- MATH 493 Senior Seminar for Future Mathematics Educators *3 semester hours*
- MATH 495 Mathematical Modeling *3 semester hours*
- MATH 497 Senior Thesis *3 semester hours*

Fifteen additional semester hours in upper division MATH electives chosen in consultation with her/his advisor.

Bachelor of Science in Mathematics Curriculum

**(124/126 S.H.)**

Freshman Year

## Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
  
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- Science Requirement *3-4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Sophomore Year

### Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
  
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 13-15 semester hours

Note:

Dean's list requires minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

### Spring Semester

- MATH 245 Ordinary Differential Equations 3 *semester hours*
- MATH 250 Linear Algebra 3 *semester hours*
- MATH 282 Elementary Computational Methods 3 *semester hours*

- University Core 3-4 *semester hours* or
- Elective 3-4 *semester hours*

- University Core 3-4 *semester hours* or
- Elective 3-4 *semester hours*

Total: 15-17 semester hours

Junior Year

Fall Semester

- MATH 321 Real Variables I 3 *semester hours*
- MATH 360 Introduction to Probability and Statistics 3 *semester hours* \*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

- University Core 3-4 *semester hours* or
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

Spring Semester

- MATH 331 Elements of Group Theory 3 *semester hours*
- MATH 357 Complex Variables 3 *semester hours* \*
- MATH 3xx Mathematics Elective 3 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-17 semester hours

Senior Year

Fall Semester

- MATH 3xx Mathematics Elective 3 *semester hours*
- MATH 3xx Mathematics Elective 3 *semester hours*
- MATH 3xx Mathematics Elective 3 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-17 semester hours

## Spring Semester

- MATH 3xx Mathematics Elective 3 *semester hours*
- MATH 49x Seminar 3 *semester hours*\*\* or
- MATH 497 Senior Thesis 3 *semester hours* \*\*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

Total: 124/126 semester hours

\* *MATH 357 and MATH 360 are both required but can be taken in any order.*

\*\* *Either MATH 491, MATH 493, MATH 495, or MATH 497 is required (one course only) for the Bachelor of Science in Mathematics.*

## Masters

### Mathematics for Teaching, M.A.T.

This program provides an opportunity for secondary school teachers to broaden their background in mathematical science and connect this knowledge to current education practice.

#### Learning Outcomes

Students graduating from this program will have a deeper and richer understanding of mathematics. In particular, they will

1. Appreciate the aesthetics of mathematics
2. Have knowledge of how advanced mathematics is reflected in teaching high school mathematics
3. Be proficient at proof and problem solving, particularly as related to teaching high school mathematics
4. Be better prepared to assume a leadership role in the mathematics community at their schools.

#### Admission Requirements

Students seeking admission to the Master of Arts in Teaching Mathematics program should have completed an undergraduate program in mathematics or a closely related field. The applicant must have completed a minimum of six upper division courses in Mathematics with a 3.0 ("B") average.

To be considered for admission, students must submit a Graduate Division application, the application fee, a statement of intent, and transcripts from all colleges/universities attended. A cumulative GPA of 3.0 as an undergraduate or a 3.0 GPA in at least 9 units of graduate level coursework is required. A letter of recommendation addressing the student's mathematical background and teaching experience, if any, is also required.

## Program Requirements

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. A degree candidate is required to complete, with an average grade of at least 3.0 ("B"), a program of study that may include prerequisite undergraduate-level coursework, and that must include thirty or more semester hours of graduate-level coursework, as deemed appropriate by the advisor in consultation with the department. Of the graduate level coursework, at least fifteen semester hours are to be in Mathematics and fifteen in Education.

## Minor

### Applied Mathematics Minor

#### Minor in Applied Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
  
- MATH 250 Linear Algebra *3 semester hours* or
- One additional 3-semester-hour upper division MATH course chosen in consultation with the applied mathematics minor advisor.

Choose one:

- MATH 355 Methods of Applied Mathematics *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*

Choose one:

- MATH 321 Real Variables I *3 semester hours* (MATH 248 is a prerequisite for MATH 321, so the MATH 321 option requires 27 semester hours)
- MATH 357 Complex Variables *3 semester hours*
- MATH 560 Advanced Topics in Probability and/or Statistics *3 semester hours*
- MATH 562 Numerical Analysis *3 semester hours*

Note:

A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

### Pure Mathematics Minor

#### Minor in Pure Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours* or
- One additional 3-semester-hour upper division MATH course chosen in consultation with the pure mathematics minor advisor

Choose one:

- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 350 Advanced Linear Algebra *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*

Choose one:

- MATH 321 Real Variables I *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 471 Topology *3 semester hours*
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*

Note:

A minimum cumulative grade point average of C (2.0) is required in the courses included in the minor.

## **Secondary Education Mathematics Minor**

Minor in Secondary Education Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 490 History of Mathematics *3 semester hours*
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*

Note:

A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

## **Mechanical Engineering**

### **Faculty**

Chairperson: James Landry

Graduate Program Director: Rafiqul Noorani

Professors: Omar Es-Said, Rafiqul Noorani, Matthew Siniawski

Associate Professor: Emin Issakhanian

Assistant Professors: Mahsa Ebrahim, Natalie Schaal, Brendan Smith

Senior Lecturer: Christopher Cobb

Lecturers: Vladan Jankovic, Brian Lottman, James Nokes, Dhruv Patel, Hooman Rahimi-Zadeh

## **Description**

Mechanical Engineering is pertinent to a variety of engineering activities and products, such as transportation vehicles, energy generation, machine mechanisms, manufacturing systems, structures, and processing plants. The Mechanical Engineering programs provide a solid foundation for work in all of these fields. The flexible and modern curricula cover contemporary technology as well as the fundamentals for future technologies and are designed to prepare students for employment in industry and advanced studies. Modern, well-equipped research laboratories support the curricula. These laboratory facilities include computer-aided design and engineering, manufacturing, materials science and processing, rapid prototyping, rehabilitation engineering and assistive technologies, solid mechanics, and thermal and fluid systems.

## **Mission**

The mission of the Mechanical Engineering Department is to provide a high quality, practice-oriented, design-focused curriculum that prepares students for both leadership roles in industry and advanced graduate studies.

## **Bachelors**

### **Mechanical Engineering, B.S.E.**

The Bachelor of Science program in Mechanical Engineering is designed to prepare the student for immediate entry into the mechanical engineering profession or graduate study toward advanced degrees. Engineering design is a major emphasis of the curriculum, and students work on various aspects of design projects throughout, culminating in a comprehensive capstone design project.

#### Accreditation

The Mechanical Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

#### Program Educational Objectives

The mechanical engineering undergraduate program has established the following program educational objectives that are consistent with the University's mission and the department's program outcomes. During the first 3-5 years after graduation, mechanical engineering students will:

1. Demonstrate competency and leadership in professional engineering activities such as industry-based work, research and development, and experimental studies;
2. Advance in their professional careers and pursue continuous learning in areas relevant to their long-term goals;
3. Be contributing productively to cross-functional teams, communicating effectively, and demonstrating professional and ethical responsibility.

These program educational objectives are accomplished through the major requirements, the core curriculum,

design competition experiences, internships, research opportunities, professional society involvement, and extracurricular activities.

### Student Outcomes

The mechanical engineering undergraduate program has established the following student outcomes that support the program educational objectives. Attainment of these outcomes prepares graduates to enter the professional practice of engineering.

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

### General Requirements

All Mechanical Engineering students must earn a minimum cumulative grade point average of C (2.0) in the following lower-division courses: ENGR 160, ENGR 200, PHYS 101, MATH 131, MATH 132, MATH 234, MATH 245, MECH 212, MECH 213, as these contain foundational and fundamental material necessary to succeed in upper-division mechanical engineering courses.

### Transfer Requirements

Students who are currently enrolled in another major at LMU, but are interested in changing their major to MECH must complete CHEM 111, CHEM 114; ENGR 200; MATH 131, MATH 132; and PHYS 101 with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Chair of the Mechanical Engineering Department.

### Major Requirements

#### Lower Division Requirements:

- BIOL 114 Biology for Engineers *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*

- MATH 234 Calculus III 4 semester hours
- MATH 245 Ordinary Differential Equations 3 semester hours
- MECH 211 Computer Aided Design 2 semester hours
- MECH 212 Mechanics of Materials 3 semester hours
- MECH 213 Dynamics 3 semester hours
- MECH 214 Materials Science 3 semester hours
- MECH 223 Thermodynamics 3 semester hours
- PHYS 101 Introduction to Mechanics 4 semester hours
- PHYS 201 Introduction to Electricity and Magnetism 4 semester hours

#### Upper Division Requirements:

- CIVL 395 Engineering Economics and Decision Theory 3 semester hours
- MATH 355 Methods of Applied Mathematics 3 semester hours
- MECH 302 Thermal Science and Energy Lab 2 semester hours
- MECH 303 Solid Mechanics and Materials Laboratory 2 semester hours
- MECH 310 Machine Design 3 semester hours
- MECH 312 Vibrations 3 semester hours
- MECH 321 Energy Systems 3 semester hours
- MECH 322 Fluid Mechanics 3 semester hours
- MECH 323 Heat Transfer 3 semester hours
- MECH 401 Design Capstone Project I 3 semester hours
- MECH 402 Design Capstone Project II 3 semester hours
- MECH 410 Design and Manufacturing Laboratory 2 semester hours
- MECH 412 Control Systems 3 semester hours
- Four 500-level MECH elective courses 12 semester hours

#### University Core Requirements for Mechanical Engineering Majors

Mechanical Engineering majors are required to complete a minimum of 30 semester hours as defined in the "Core Curriculum for Students in the Frank R. Seaver College of Science and Engineering." The proper sequence of the University Core courses should be discussed with the student's advisor. There are a few important notes specific to Mechanical Engineering majors:

CIVL 395 Engineering Economics and Decision Theory fulfills the Understanding Human Behavior core area of the Explorations requirement and is applied toward the 30-semester hour minimum. Note that no additional courses from the Explorations Core requirement are required and that taking additional courses from the Explorations Core areas might not help fulfill overall core requirements.

The Mechanical Engineering Curriculum listed below assumes that at least 6 of the core area requirements will be fulfilled by courses that are 4 semester hours. Combined with the 3 semester hours from CIVL 395, this 4-year plan most efficiently satisfies the core requirements.

All required Flagged Courses are fulfilled by the Mechanical Engineering major requirements. Therefore, these flags do not need to be considered when selecting core courses.

#### Mechanical Engineering Curriculum

Freshman Year

Fall Semester

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- BIOL 114 Biology for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

#### Sophomore Year

##### Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

##### Spring Semester

- MATH 245 Ordinary Differential Equations *3 semester hours*
- MECH 211 Computer Aided Design *2 semester hours*
- MECH 212 Mechanics of Materials *3 semester hours*
- MECH 213 Dynamics *3 semester hours*
- MECH 214 Materials Science *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

#### Junior Year

##### Fall Semester

- MATH 355 Methods of Applied Mathematics *3 semester hours*
- MECH 223 Thermodynamics *3 semester hours*
- MECH 303 Solid Mechanics and Materials Laboratory *2 semester hours*
- MECH 312 Vibrations *3 semester hours*
- MECH 322 Fluid Mechanics *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

#### Spring Semester

- MECH 302 Thermal Science and Energy Lab *2 semester hours*
- MECH 310 Machine Design *3 semester hours*
- MECH 321 Energy Systems *3 semester hours*
- MECH 323 Heat Transfer *3 semester hours*
  
- University Core *3-4 semester hours*

Total: 14-15 semester hours

#### Senior Year

##### Fall Semester

- MECH 401 Design Capstone Project I *3 semester hours*
- MECH 410 Design and Manufacturing Laboratory *2 semester hours*
- MECH 412 Control Systems *3 semester hours*
  
- MECH 5xx Elective *3 semester hours*
- MECH 5xx Elective *3 semester hours*

Total: 14 semester hours

##### Spring Semester

- CIVL 395 Engineering Economics and Decision Theory *3 semester hours*
- MECH 402 Design Capstone Project II *3 semester hours*
  
- MECH 5xx Elective *3 semester hours*
- MECH 5xx Elective *3 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Total Required: 131 semester hours

## **Dual-Degree**

### **Dual M.S. in Mechanical Engineering/Master of Business Administration**

The mission of the Dual Degree MS in Mechanical Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Mechanical Engineering. Students may obtain either an MS in Mechanical Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Mechanical Engineering/MBA program is designed to be completed in approximately

three years. Typically, the Mechanical Engineering classes are completed first, followed by taking the required classes in the MBA program.

### Learning Outcomes

For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

The student and graduate program director will work out a study plan to complete both degrees in 2-3 years depending upon the number of classes the student plans to take each semester.

Pending MECH faculty interest and availability and MECH department approval, students enrolled in the MS/MBA dual degree program may have the option to do a research/independent project (MECH 685 Research Project) that could be co-advised by a faculty in the business school. Enrollment in the MECH 685 Research Project course requires approval of the graduate program director.

Students enrolled in the MS/MBA dual degree program are not be eligible to take Project Management or Systems Engineering as a MECH 500/600 elective, including cross-listed courses.

For the Mechanical Engineering M.S.:

1. An ability to apply knowledge of mathematics, science, and engineering to solve societal problems.
2. An ability to design and synthesize a system to meet desired needs within realistic constraints such as economic, environmental, sociopolitical, and ethical.

3. An ability to conduct graduate level research using skills learned in various courses and publish their results in journals and /or conferences.
4. An ability to engage in life-long learning, function in multi-disciplinary teams, and communicate effectively.
5. An ability to understanding professional and ethical responsibility.

### Admissions

A student must be accepted by both the MBA Program in the College of Business Administration and by the M.S. in Mechanical Engineering Program in the Frank R. Seaver College of Science and Engineering before they will be admitted into the dual degree program. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science with a GPA of 3.0 or better
- Two years of full time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

### Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Mechanical Engineering in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Mechanical engineering courses the first year of the dual-degree program, then begin the MBA curriculum in year two, and select electives and additional Mechanical Engineering courses in year three.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Mechanical Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses taken as part of the MBA coursework and apply to the M.S. in Mechanical Engineering. When the course requirements outlined below are completed, the student will be awarded both the MBA and the MS in Mechanical Engineering.

MBA curriculum (no emphasis) Note: 5 Mechanical Engineering Courses count towards the electives in the MBA program	36 semester hours
MS in Mechanical Engineering curriculum. Note: 2 MBA courses count towards 500-level Mechanical Engineering electives for the MS in Mechanical Engineering	24 semester hours
Dual Degree Total:	60 semester hours

## **Masters**

### **Mechanical Engineering, M.S.E.**

#### Learning Outcomes

1. An ability to apply knowledge of mathematics, science, and engineering to solve societal problems.
2. An ability to design and synthesize a system to meet desired needs within realistic constraints such as economic, environmental, sociopolitical, and ethical.
3. An ability to conduct graduate level research using skills learned in various courses and publish their results in journals and /or conferences.
4. An ability to engage in life-long learning, function in multi-disciplinary teams, and communicate effectively.
5. An ability to understanding professional and ethical responsibility.

#### Admission Requirements

All applicants must possess a Bachelor of Science (B.S.) degree or an undergraduate engineering degree, which shall include at least:

1. 3 semester hours (1 course) of general chemistry
2. Mathematics courses through differential equations

Those applicants who do not possess an engineering degree, in addition to items 1 and 2 above, should complete the following five courses with an average grade of B (3.0) or better. These are: Mechanics of Material, Dynamics, Thermodynamics, Fluid Mechanics, and Heat Transfer.

A completed application form and \$50 application fee (completed online at LMU Graduate Admission). Admission into the program is in strict conformity with the requirements for all graduate students set forth by the LMU Graduate Division. Upon review of the student's undergraduate and professional preparation, additional admission requirements may be set by the Mechanical Engineering Department. Students applying for the combined B.S./M.S. degrees must apply in the Fall semester of their senior year, indicating the "Combined B.S. and M.S." on their application form.

#### Program Requirements

### **Requirements for Master of Science in Engineering Degree, major in Mechanical Engineering (30 semester hours)**

The candidate for the Master of Science in Engineering degree in Mechanical Engineering must satisfy the following requirements:

1. Complete MECH 604, Engineering Mathematics

2. Complete 27 semester hours (9 courses) from MECH 500 and 600 level courses.

3. At least 12 semester hours must be at the 600 level.

A maximum of one elective course in another engineering department may be taken with the consent of the Graduate Program Director. The Thesis Option (MECH 686) may be chosen to satisfy up to 6 semester hours of these elective course requirements (see below).

4. Maintain a minimum cumulative GPA of 3.0 ("B") for all coursework

5. A maximum of four courses (12 semester hours) may be taken in any given semester

6. Thesis Option

With the consent of the Graduate Director, the student may elect a thesis. The thesis will satisfy 6 semester hours of the elective mechanical engineering course work requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any given semester (MECH 686). The student electing the thesis option must obtain a thesis advisor before Graduate Director consent will be considered. Formal thesis requirements must be obtained from the Graduate Program Director.

Requirements for the Combined B.S./M.S. Degrees, major in Mechanical Engineering

**(30 semester hours)**

Only LMU Seniors in Mechanical Engineering with a GPA of 3.0 or greater are eligible to apply for the combined degree program. The student must apply for admission before the end of the Fall semester of the senior year. The candidate for the Combined B.S./M.S. in Engineering degree in Mechanical Engineering must satisfy the following requirements:

1. Students may count one 500-level class from their undergraduate degree towards their masters degree. Therefore, the student must complete 27 semester hours from MECH 500- and 600-level courses.
2. The student should take two 500- or 600-level courses during Summer Session immediately following the senior year. At least three courses per semester are typically taken during the first year of the program.
3. Complete MECH 604 Engineering Mathematics.
4. A maximum of one elective course in another Engineering department may be taken with the consent of the Graduate Program Director. The Thesis Option (MECH 686) may be chosen to satisfy up to 6 semester hours of these elective course requirements.
5. Thesis Option: With the consent of the Graduate Director, the student may elect a thesis. The thesis will satisfy 6 semester hours of the elective mechanical engineering course work requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any given semester (MECH 686). The student electing the thesis option must obtain a thesis advisor before Graduate Director consent will be considered. Formal thesis requirements must be obtained from the Graduate Program Director.

## **Physics and Engineering Physics**

### **Faculty**

Chairperson: Jonas R. Mureika

Professors: John B. Bulman, Vincent P. Coletta, Jonas R. Mureika, Jeffrey A. Phillips, Gabriele U. Varieschi

Emeritus Professor: Jeff Sanny

Clinical Associate Professor: David Berube

Assistant Professor: Zahra Alavi, Emily Hawkins

Adjunct Professor: James McCarthy

The Physics and Engineering Physics department offers degrees in Physics and Applied Physics.

## **Bachelors**

### **Applied Physics, B.S.**

#### Objectives

The Bachelor of Science in Applied Physics is an interdisciplinary program that integrates the core physics curriculum with those of other majors. Students will choose the appropriate sequence of courses that matches their career aspirations in consultation with their advisor. By combining different perspectives, tools, and ideas, Applied Physics majors will be prepared to address some of today's and tomorrow's most challenging problems. In addition to regular coursework, all Applied Physics majors must complete a senior thesis project as a graduation requirement. This hands-on research experience with faculty from Physics and other disciplines exposes students to the type of work encountered in graduate school and industry, and enhances their undergraduate portfolio. Upon graduation, students are prepared to be successful in traditional physics career as well as in new and emerging fields.

#### Major Requirements

##### Lower Division Requirements:

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 195 Waves and Light *3 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*

Note:

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

Upper Division Requirements:

- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- PHYS 301 Electromagnetic Fields *3 semester hours*
- PHYS 302 Electromagnetic Waves *3 semester hours*
- PHYS 321 Quantum Mechanics I *3 semester hours*
- PHYS 322 Quantum Mechanics II *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours*

Two upper division physics electives selected from the following:

- PHYS 351 Space Physics *3 semester hours*
- PHYS 361 Astrophysics *3 semester hours*
- PHYS 371 Biophysics *3 semester hours*
- PHYS 421 Condensed Matter Physics *3 semester hours*
- PHYS 441 Modern Optics *3 semester hours*
- PHYS 461 Elementary Particle Physics *3 semester hours*
- PHYS 471 Introduction to Relativity and Cosmology *3 semester hours*

Seniors must complete:

- PHYS 480 Capstone Experience *1 semester hours*
- PHYS 481 Senior Thesis *1 semester hours*

Students must also take a two-course sequence in a technical area:

Among the options are:

- ELEC 302 Junior Lab II *3 semester hours* and
- ELEC 383 Introduction to Microprocessors *3 semester hours*
  
- MECH 323 Heat Transfer *3 semester hours* and
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
  
- ELEC 371 Linear Systems *3 semester hours* and
- ELEC 423 Communications I *3 semester hours*

Note:

To graduate, a student must have at least a 2.0 (C) average in all upper division physics courses.

Learning Outcomes

Applied Physics majors will know:

1. The concepts of classical physics

2. The theories of modern and contemporary physics
3. The applicability of physics to other disciplines

Applied Physics majors will be able to:

1. Understand, apply, and adapt known physical models to real-world situations
2. Solve problems, which includes formulating a strategy, estimating a solution, applying appropriate techniques, and evaluating the result
3. Design systems, conduct experiments, and analyze data to address the needs of contemporary society
4. Employ computational methods to perform calculations and generate data that model physical systems
5. Communicate effectively their understanding of core applied physics principles, the results of experiments, and their analysis of physical problems

Applied Physics majors will value:

1. Ethical and unbiased actions as cornerstones to the scientific method
2. The impact of applied physics on society
3. The interplay between theory and applications

Applied Physics Curriculum

**(127-128 S.H.)**

Freshman Year

Fall Semester

- PHYS 195 Waves and Light *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- MATH 131 Calculus I *4 semester hours*

Total: 17-18 semester hours

Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

Sophomore Year

Fall Semester

- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*

- University Core 3-4 semester hours

Total: 17-18 semester hours

#### Spring Semester

- PHYS 206 Foundations of Modern Physics 4 semester hours
- PHYS 212 Intermediate Mechanics 3 semester hours
- ELEC 220 Electric Circuit Applications 3 semester hours
- ELEC 281 Logic Design 3 semester hours
- MATH 250 Linear Algebra 3 semester hours

Total: 16 semester hours

#### Junior Year

##### Fall Semester

- PHYS 301 Electromagnetic Fields 3 semester hours or
- PHYS 321 Quantum Mechanics I 3 semester hours
  
- ELEC 353 Electronics I 3 semester hours
- MATH 355 Methods of Applied Mathematics 3 semester hours
- ELEC 301 Junior Lab I 3 semester hours
  
- University Core 3-4 semester hours

Total: 15-16 semester hours

##### Spring Semester

- PHYS 302 Electromagnetic Waves 3 semester hours or
- PHYS 322 Quantum Mechanics II 3 semester hours
  
- ELEC 354 Electronics II 3 semester hours
- Technical Sequence 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 15-17 semester hours

#### Senior Year

##### Fall Semester

- PHYS 301 Electromagnetic Fields 3 semester hours or
- PHYS 321 Quantum Mechanics I 3 semester hours
  
- PHYS 480 Capstone Experience 1 semester hours
- Upper Division Physics Elective 3 semester hours

- Technical Sequence *3 semester hours\**
- PHYS 411 Modern Physics Lab *3 semester hours*

Total: 13 semester hours\*\*

#### Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
  
- PHYS 481 Senior Thesis *1 semester hours*
- Upper Division Physics Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

\*A two-course sequence in a technical area is required.

Some recommended sequences are:

- ELEC 302 Junior Lab II *3 semester hours* and
  - ELEC 383 Introduction to Microprocessors *3 semester hours*
- or
- MECH 322 Fluid Mechanics *3 semester hours* and
  - PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
- or
- ELEC 371 Linear Systems *3 semester hours* and
  - ELEC 423 Communications I *3 semester hours*

Note:

\*\*Dean's List requires a minimum of 14 semester hours

\*\*Applied Physics majors are required to take a minimum of 32 semester hours to fulfill the University Core

Total: 127-128 semester hours

## **Physics, B.S.**

### Objectives

The Bachelor of Science in Physics provides a solid foundation in classical, quantum, and relativistic physics. By choosing appropriate physics electives in consultation with her/his faculty advisor, the student can study astrophysics, condensed matter systems, cosmology, particle physics, and space physics. In addition to regular coursework, all Physics majors must complete a senior thesis project as a graduation requirement. This hands-on research experience with Physics faculty exposes students to the type of work encountered in graduate school and industry, and enhances their undergraduate portfolio. Upon graduation, Physics students can pursue advanced studies in a variety of physics-related disciplines, as well as in fields such as teaching, medicine, business management, and law, where physics majors can utilize their problem-

solving and critical-thinking skills.

## Major Requirements

### Lower Division Requirements:

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 195 Waves and Light *3 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*

### Note:

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

### Upper Division Requirements:

- MATH 355 Methods of Applied Mathematics *3 semester hours*
- PHYS 301 Electromagnetic Fields *3 semester hours*
- PHYS 302 Electromagnetic Waves *3 semester hours*
- PHYS 321 Quantum Mechanics I *3 semester hours*
- PHYS 322 Quantum Mechanics II *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours*
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*

### One from:

- MATH 350 Advanced Linear Algebra *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*

### Three upper division physics electives selected from the following:

- PHYS 351 Space Physics *3 semester hours*
- PHYS 361 Astrophysics *3 semester hours*
- PHYS 371 Biophysics *3 semester hours*
- PHYS 421 Condensed Matter Physics *3 semester hours*
- PHYS 441 Modern Optics *3 semester hours*
- PHYS 461 Elementary Particle Physics *3 semester hours*
- PHYS 471 Introduction to Relativity and Cosmology *3 semester hours*

### Seniors must complete:

- PHYS 480 Capstone Experience *1 semester hours*

- PHYS 481 Senior Thesis *1 semester hours*

Note:

To graduate, a student must have at least a 2.0 average in all upper division physics courses.

Learning Outcomes

Physics majors will know:

1. The concepts of classical physics
2. The theories of modern physics
3. The discoveries and questions of contemporary physics

Physics majors will be able to:

1. Form new inferences about the physical world by carrying out scientific investigations
2. Solve problems, which includes formulating a strategy, estimating a solution, applying appropriate techniques, and evaluating the result
3. Design and conduct experiments, and well as analyze and interpret the resulting data
4. Employ computational methods to perform calculations and model physical systems
5. Communicate effectively their understanding of core physical principles, the results of experiments, and their analysis of physical problems

Physics majors will value:

1. Ethical and unbiased actions as cornerstones to the scientific method
2. The impact of physics on society
3. The role of elegance and beauty in the scientific process

Physics Curriculum

**(124-126 S.H.)**

Freshman Year

Fall Semester

- PHYS 195 Waves and Light *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

Spring Semester

- PHYS 101 Introduction to Mechanics *4 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

Sophomore Year

## Fall Semester

- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

## Spring Semester

- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

## Junior Year

### Fall Semester

- PHYS 301 Electromagnetic Fields *3 semester hours* or
- PHYS 321 Quantum Mechanics I *3 semester hours*
- Upper Division Physics Elective *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours* or
- Upper Division Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
- Upper Division Physics Elective *3 semester hours* or
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
- MATH 350-360 *3 semester hours*
- University Core *3-4 semester hours*

- Elective *3-4 semester hours*

Total: 15-17 semester hours

Senior Year

Fall Semester

- PHYS 301 Electromagnetic Fields *3 semester hours* or
- PHYS 321 Quantum Mechanics I *3 semester hours*
  
- PHYS 411 Modern Physics Lab *3 semester hours* or
- Upper Division Elective *3-4 semester hours*
  
- PHYS 480 Capstone Experience *1 semester hours*
- Upper Division Physics Elective *3 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 16-19 semester hours

Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
  
- Upper Division Physics Elective *3 semester hours* or
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
  
- PHYS 481 Senior Thesis *1 semester hours*
- Elective *3-4 semester hours*
  
- Elective *3-4 semester hours* or
- University Core *3-4 semester hours\**

Total: 13-15 semester hours\*\*

Note:

\*Physics majors are required to take a minimum of 32 semester hours to fulfill the University Core

\*\*Dean's List requires a minimum of 14 semester hours

Total: 124-126 semester hours

## **Minor**

## Physics Minor

### Minor Requirements

21 semester hours with at least 6 semester hours in upper division courses. These shall include:

either:

- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*

or:

- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- PHYS 254 General Physics II *4 semester hours*

Notes:

1. A grade of C (2.0) is required for every course included in the minor.
2. PHYS 374 Weapons of Mass Destruction cannot be taken for credit towards a physics minor.

## Systems Engineering and Engineering Management

### Faculty

Graduate Director: Claire Leon

### Lecturers

Elham Ghashghai, Ph.D.; Robert J. Johnson, Ph.D.; Umesh Ketkar, Andrew Kopito; Matthew Miller, Esq.; Mary Magilligan; Barry Molnaa; Vera Mulyani; Scott Neibuhr; John Poladian; Marcus Risso, Esq.; Nirav Shah, Ph.D.; Charles Tang, Ph.D.; Bonnie Triezenberg, Ph.D.

### Program Advisers

Daniel Feller, Program Director, Millennium; Malina Hills, VP, Aerospace; James Horejsi, Col., USAF SM, Ret.; Lynn Hughes, VP, Northrop Grumman; David Klemes, Director of Systems Engineering, Boeing; Donna Rhodes, Ph.D., MIT

### Contact Information

**Graduate Director:** Claire Leon

**Office Location:** East Hall 123

**Telephone:** 310.338.7878

**E-mail:** [claire.leon@lmu.edu](mailto:claire.leon@lmu.edu)

## **Mission Statement**

The LMU Systems Engineering (SE) programs are graduate-only programs characterized by excellence in SE that prepare graduates to address and ethically solve some of the most complex problems facing society. The programs include an MS in Systems Engineering, with an option for a technical focus in one of the engineering disciplines (civil engineering; environmental and water resources engineering; mechanical engineering; computer science, and cybersecurity). The dual degree program (MS in SE and Master of Business Administration) leverages both the engineering and business disciplines to prepare graduates for leadership in technical and healthcare endeavors. The programs incorporate teaching in advanced Lean methods applied to systems engineering, program management.

Modern technological program are characterized by high complexity, multidisciplinary considerations, and strong interactions between science, technology, business, and human civilization. Systems Engineering is the body of knowledge evolved to effectively manage such systems. Our programs offer a broad menu of study options and technical focus areas that allow students to customize the program to meet their needs.

## **Schedule**

Most engineering courses are offered on the LMU Westchester campus and typically meet in the evenings (online/hybrid courses are identified individually). Usually courses meet one evening per week for three hours except during the summer terms when each course meets two evenings per week for 3.5 hours each.

Registering for courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in Fall and Spring semesters.

## **MS in Systems Engineering Program Overview**

The graduate program in Systems Engineering is designed to provide practical knowledge in the areas of systems engineering and project management and deepen technical skills. The curriculum includes coursework in systems engineering, engineering project management and the student's choice of a technical focus area. The options for technical focus include: Systems Engineering, Engineering Management, Electrical Engineering, Mechanical Engineering, Civil Engineering, Cybersecurity, Software Architecture, and Aeronautics & Space Systems.

## **Program Educational Learning Outcomes and Objectives**

The Systems Engineering graduate program has established the following program educational learning outcomes and objectives. Graduates of the program will:

1. Apply the fundamental principles of systems engineering to complex problems
2. Become leaders of innovative technology projects and businesses
3. Develop multidisciplinary skills to architect, design, and manage complex systems throughout their life cycle
4. Apply principles of project management and lean engineering to improve operational efficiency
5. Develop technical skills to model, analyze, and design integrated engineering systems

## **Master of Science in Systems Engineering Program offers the two following modalities:**

1. MS in Systems Engineering program for working professionals and full-time graduate students
2. 4+1 MS in Systems Engineering program for LMU undergraduate engineering, math, computer science, and physics students who earn their BS degree at LMU and wish to earn the MS in Systems Engineering degree one year later

## **Dual MS in Systems Engineering/Masters of Business Administration**

The mission of the Dual Degree MS in Systems Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The SYEG will confer two degrees upon its graduates: an MBA and an MS in Systems Engineering. Students may obtain either an MS in Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Systems Engineering/MBA program is designed to be completed in approximately three years. Typically, the Systems Engineering classes are completed first, followed by taking the required classes in the MBA program.

## **Certificate Programs**

The Certificate programs (Aeronautics and Space Systems, Cybersecurity, Engineering Project Management, Software Architecture, and Systems Engineering) can be completed within three consecutive semesters, or one year if one class is taken during the summer sessions.

## **Certificates**

The five graduate certificate programs offer convenient advanced program for the engineers, systems engineers and manager who would benefit from understanding the concepts, principles and practices both in theory and in real world implementation for key areas in today's advancing technological world.

- Aeronautics and Space Systems
- Cybersecurity
- Engineering Project Management
- Software Architecture
- Systems Engineering

Upon completion of the certificate program, the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate to be credited towards the M.S. degree.

## **Admission Requirements**

- Application to Graduate Admission and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Transcript documenting B.S. in engineering or B.A. in Program Management or equivalent degree

(GPA of 3.0 or better) from an accredited university program

- If the applicant's GPA is below 3.0, also submit two letters of recommendation from past professors or current employer.
- Two years' work experience is preferred.
- Brief personal statement discussing how the graduate program fits the applicant's career goals

## **GPA**

Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree. The overall minimum GPA required for graduation is 3.0 in the MS programs and 2.7 in the Certificate programs.

## **Graduation Requirements**

Completion of the three courses from one of the certificate technical areas of study below (9 semester hours):

- Aeronautics and Space Systems (SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, MECH 544 Propulsion, ELEC 521 Introduction to Communication Systems, ELEC 598--Optical Communications)
- Cybersecurity Certificate--SYEG 560 Cyber Security, SYEG 562 Secure Software Development, SYEG 563 Case Studies in Cyber Defense, SYEG 664 Advanced Cybersecurity Management
- Engineering Project Management Certificate--SYEG 510 Project Management, SYEG 520 Engineering Leadership and Integrity, SYEG 530 Lean Engineering and Management, SYEG 557 Agile Development and Project Management, SYEG 576 Business Law for Engineers, SYEG 620 Manufacturing Processes and Quality Systems, SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation
- Software Architecture Certificate--SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, ELEC 699--GPU Architecture & Computing, ELEC 699--Deep Learning Algorithms & Apps)
- Systems Engineering Certificate--three SYEG 500 or 600 level courses

Other systems engineering courses may be substituted for the above courses with the approval of the Graduate Program Director.

## **Schedule for Certificate Programs**

The student can complete the certificate program in one year by taking one course per semester including summer.

### **Certificate**

#### **Engineering Project Management Certificate**

The graduate Certificate in Business of Engineering is a convenient advanced program for the engineers, systems engineers and individuals in program management desiring to acquire higher and practical knowledge of managing complex engineering programs. Upon completion of the certificate program, the student may re-enroll for the M.S. degree in Systems Engineering and have the courses completed for the

certificate to be credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

Schedule

The student can complete the certificate program in one year taking one course per semester, including Summer.

Registering into the courses is the student's responsibility.

## **Systems Engineering Certificate**

The graduate certificate in Systems Engineering is a convenient program of the engineers desiring to acquire the fundamentals of Systems Engineering without the commitment to a full degree program. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

Schedule

The student can complete the certificate program in one year taking one course per semester including summer.

Registering into the courses is the student's responsibility.

## **Cybersecurity Certificate**

The graduate certificate in Cybersecurity is a convenient program for engineers, computer scientists and managers that covers the most pressing concerns for the design, development, implementation and operations of cyber resilient systems. Key coursework includes an overview of cybersecurity issues and concerns, including system management and governance, secure software development, and managing the operational environment in the presence of threats. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

Schedule

The student can complete the certificate program in one year by taking one course per semester including summer.

## **Computer Science/Software Architecture Certificate**

The graduate certificate in Software Architecture is a convenient program for computer scientists and engineers to enhance and update their skills in modern software systems and solutions. The program is designed for project engineers and managers of integrated hardware and software systems, and includes an overview of common software architectural patterns and key systems implementation decisions such as centralized vs distributed architectures, cloud computing, engineering for autonomy, and agile software development and project management. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

### Schedule

The student can complete the certificate program in one year by taking one course per semester including summer.

## **Aeronautics and Space Systems Certificate**

The graduate certificate in Aeronautics and Space Systems is a convenient program for scientists and engineers to enhance and update their skills in modern high technology systems. The program is designed for project engineers and managers of Aerospace systems, and includes classes in a wide range of Aerospace systems, including spacecraft design, communication and optical systems, and propulsion. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

## **Dual-Degree**

### **Dual M.S. in Systems Engineering/Master of Business Administration**

The mission of the Systems Engineering Leadership Program (SYEG) is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The SYEG Dual Degree MS in Systems Engineering/MBA program will confer two degrees upon its graduates: an MBA and an MS in Systems Engineering. Students may obtain either an MS in Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

### Learning Outcomes

For the Systems Engineering M.S.:

- Apply the fundamental principles of systems engineering to complex problems
- Become leaders of innovative technology projects and business
- Develop multidisciplinary skills to architect, design, and manage complex systems throughout their life cycle
- Apply principles of project management and lean engineering to improve operational efficiency
- Develop technical skills to model, analyze, and design integrated engineering systems

For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and

oral communication.

- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## Admissions

Both the MBA Program in the College of Business and the Systems Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the SYEG for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted online to Graduate Admission with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program (or equivalent) with a GPA of 3.0 or higher
- Three or more years of related work experience
- Resume
- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the SYEG Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Systems Engineering and Engineering Management in the Frank R. Seaver College of Science and Engineering and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of SYEG courses the first year of the dual degree program, then begin the MBA curriculum in year two, and select electives and additional SYEG courses in year three.

In addition to the MBA Curriculum, SYEG dual degree students will take a total of eight (8) Systems Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the SYEG are taken as part of the MBA coursework and apply to the M.S. in Systems Engineering.

MBA curriculum (no emphasis) Note: Five (5) Systems Engineering courses count towards the electives in the MBA program.	36 semester hours
SYEG: Eight (8) courses in Systems Engineering Note: Two (2) MBA courses count toward electives for the MS in Systems Engineering.	24 semester hours
<b>Total:</b>	<b>60 semester hours</b>

Note:

The Graduate Program Director for the MS in Systems Engineering has the discretion to substitute other SYEG Systems Engineering coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

MBA Curriculum Requirements for the Dual Degree M.B.A./M.S. in Systems Engineering Dual Degree:

- MBAW 6400 MBA Orientation *2 semester hours*
- MBAA 6010 Managing People and Organizations *3 semester hours*
- MBAA 6020 Financial and Managerial Accounting *3 semester hours*
- MBAA 6030 Global Economic Structures and Systems *1.5 semester hours (8-week course)*
- MBAA 6040 Managing Markets and Customer Relationships *3 semester hours (8-week course)*
- MBAA 6050 Managing Operations *1.5 semester hours (8-week course)*
- MBAA 6060 Strategic Management *3 semester hours*
- MBAA 6070 Managing Financial Resources *3 semester hours*
- MBAA 6080 Data, Models, and Decisions *3 semester hours*
- MBAA 6090 Managing Information Systems *3 semester hours (8-week course)*
- Business and Society Elective *3 semester hours*
- International Experience *3 semester hours*
- MBAA 6100 Managing International Business *3 semester hours*
- MBAW 6307 Management Leadership Workshop: Planning Your Future *0 semester hours*
- MBAW 6402 The Elements of Becoming A Strategic Leader *1 semester hours*

Total Requirement: 36 semester hours

Note:

When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Systems Engineering degrees.

Schedule

The dual degree can be completed in approximately three years by a student taking two to three courses each semester, including summer. The program can be accelerated by taking 4-5 classes per semester.

## **Masters**

### **Systems Engineering, M.S., with an Option for a Technical Focus**

## Program Overview

Systems engineering is an interdisciplinary field of engineering and engineering management. Systems engineering starts with defining customer needs and the required system functionality. It includes elements of system design and optimization, decision making, system integration, and risk management. Systems engineers focus on how to design and manage complex systems over their lifecycle, and ensure that all aspects of the project or system are considered and integrated into a whole. Systems engineers get involved in a myriad of technical challenges and problems to ensure a project works.

The graduate program in Systems Engineering is designed to provide practical knowledge in the areas of systems engineering and project management and deepen technical skills. The curriculum includes coursework in systems engineering, engineering project management, and the student's choice of a technical focus area. The options for technical focus include: Systems Engineering, Engineering Management, Electrical Engineering, Mechanical Engineering, Civil Engineering, Cybersecurity, Software Architecture, and Aeronautics & Space Systems.

## Program Educational Learning Outcomes and Objectives

The Systems Engineering graduate program has established the following program educational learning outcomes and objectives. Graduates of the program will:

1. Apply the fundamental principles of systems engineering to complex problems
2. Become leaders of innovative technology projects and businesses
3. Develop multidisciplinary skills to architect, design, and manage complex systems through their life cycle
4. Apply principles of project management and lean engineering to improve operational efficiency
5. Develop technical skills to model, analyze, and design integrated engineering systems

Master of Science in Systems Engineering Program offers the two following modalities:

1. M.S. in Systems Engineering program for working professionals and full-time graduate students
2. 4+1 M.S. in Systems Engineering program for LMU undergraduate engineering, math, computer science, and physics students who earn their B.S. degree at LMU and wish to earn the M.S. in Systems Engineering degree one year later

M.S. in Systems Engineering for working professionals and full-time students

## Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program with a GPA of 3.0 or better
- Three or more years of related work experience (recommended)
- Resume
- Two letters of recommendation
- Essay demonstrating how an M.S. in Systems Engineering supports their career goals

Promising applicants who do not satisfy these requirements will be considered for conditional admission and, when so admitted, must demonstrate satisfactory performance during their first year in the program.

## Graduation Requirements for M.S. in Systems Engineering, with an Option for a Technical Focus

- The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.
- The requirement for the M.S. in Systems Engineering degree is 10 courses (30 credits), as follows:

Completion of three of the following core Systems Engineering courses (9 semester hours):

- SYEG 500 Systems Engineering *3 semester hours* (required)
- SYEG 540 Systems Thinking: Major Tech Changes/Impacts *3 semester hours*
- SYEG 650 Systems Architecture I *3 semester hours*
- SYEG 600 Advanced Systems Engineering and Program Management *3 semester hours*
- SYEG 640 Systems Architecture II: Model Based Systems Engineering *3 semester hours*
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours*
- Selected courses from the technical focus areas: SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, SYEG 562 Secure Software Development, SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, SYEG 560 Cyber Security, SYEG 699 Independent Studies *3 semester hours*
- SYEG 698 Special Studies *1 TO 3 semester hours*

Note:

Other engineering/systems engineering courses may be substituted for the above courses with the approval of the Graduate Program Director.

Completion of three of the following core Engineering Project Management courses (9 semester hours):

- SYEG 510 Project Management *3 semester hours* (required)
- SYEG 520 Engineering Leadership and Integrity *3 semester hours*
- SYEG 530 Lean Engineering and Management *3 semester hours*
- SYEG 557 Agile Development and Project Management *3 semester hours*
- SYEG 576 Business Law for Engineers *3 semester hours*
- SYEG 577 Engineering Economics and Finance *3 semester hours*
- SYEG 600 Advanced Systems Engineering and Program Management *3 semester hours*
- SYEG 620 Manufacturing Processes and Quality Systems *3 semester hours*
- SYEG 560 Cyber Security *3 semester hours*
- SYEG 673 New Product Design and Development *3 semester hours*
- SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation *3 semester hours*

Note:

Other project management courses may be substituted for the above courses with the approval of the Graduate Program Director.

Completion of three technical electives, depending on the technical focus area, to be selected from the following:

- Systems Engineering: Three SYEG 500 and 600 level courses

- Electrical Engineering: Three ELEC 500 or 600 level courses
- Mechanical Engineering: Three MECH 500 or 600 level courses
- Civil Engineering: Three CIVL 500 and 600 level courses
- Cybersecurity: Three cybersecurity courses (SYEG 562 Secure Software Development, SYEG 563 Case Studies in Cyber Defense, SYEG 560 Cyber Security, SYEG 664 Advanced Cybersecurity Management)
- Software Architecture: Three Software Architecture courses (SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, ELEC 699 Independent Studies--GPU Architecture and Computing, ELEC 699 Independent Studies--Deep Learning Algorithms and Apps)
- Aeronautics and Space Systems: Three Aeronautics/Space Systems courses (SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, MECH 544 Propulsion, ELEC 521 Introduction to Communication Systems, ELEC 598 Special Studies--Optical Communications)
- Engineering Management: Three "Business of Engineering" or MBA courses (SYEG 520 Engineering Leadership and Integrity, SYEG 530 Lean Engineering and Management, SYEG 577 Engineering Economics and Finance, SYEG 620 Manufacturing Processes and Quality Systems, SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation; up to three courses from the MBA program with the designation MBAA, MBAD, MBAE, MBAF, MBAG, or MBAH, with concurrence from the Business School, and if prerequisites are satisfied)

#### Note:

Electives are scheduled only if a sufficient number of students sign up. With the approval of the Director, the above curriculum can be adjusted to meet the student's individual educational needs. Taking three technical electives allows the student to graduate with an M.S. in Systems Engineering with a technical focus in that area. The student must apply for the M.S. in Systems Engineering with their desired technical focus area when they apply to the M.S. in Systems Engineering program, or apply for a program transfer after they have started the program.

#### Capstone Project/Integrative Project Thesis:

- SYEG 695 Preparation for Capstone Project *0 semester hours*
- SYEG 696 Systems Engineering Integrative Project/Thesis *3 semester hours*

#### Note:

The Systems Engineering Integrative Project is typically the last course taken in the program. It is designed to demonstrate the student's knowledge of all the systems engineering and systems management principles and lean engineering addressed in the prerequisite courses. The course is typically completed in one semester. SYEG 695 should be taken the semester prior to taking SYEG 696. It is unlikely that the project can be completed in one or two summer sessions due to the shortened schedule.

#### Schedule

The student who successfully completes two courses each Fall and Spring semester, and takes two summer courses, can earn the M.S. degree in two years.

Registering for courses is the student's responsibility. A student is expected to make reasonable progress towards the degrees to remain in good standing at the University. Two courses are considered the full-time

course load (at least 6 semester hours) in each of the Fall and Spring semesters.

4+1 M.S. in Systems Engineering Program for LMU undergraduate students in engineering, mathematics, computer science, and physics

The 4+1 program is designed for LMU students to receive a combined B.S. and M.S. degree by continuing their studies in LMU's master's programs, immediately following their bachelor's degree. The program allows students to complete the master's degree in one year.

LMU students in Engineering, Mathematics, Computer Science, and Physics with senior standing and a GPA of at least 3.0 can apply. Students enter the program in the semester following graduation. Students can enter this program any term immediately following completion of their undergraduate degree requirements. The deadline for application is one month prior to completing all undergraduate requirements.

1. One Frank R. Seaver College of Science and Engineering 500-level course taken as an undergraduate may count toward the master's degree. This course can be double counted for the bachelor's degree and the master's degree. The student is required to complete 27 additional semester hours after earning the bachelor's degree.
2. In addition, for an admitted student, an extra Seaver College 500-level course may be taken in their senior year that counts towards the master's degree and not the bachelor's degree. This potentially reduces the total number of additional semester hours after earning the bachelor's degree to 24.
3. The remaining coursework required must be consistent with the graduation requirements for the M.S. in Systems Engineering program.

#### 4+1 Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Undergraduate GPA of at least 3.0
- Essay demonstrating how an M.S. in Systems Engineering supports their career goals
- Two letters of recommendation

#### Certificates

The five graduate certificate programs offer a convenient advanced program for the engineering, systems engineers, and managers who would benefit from understanding the concepts, principles, and practices both in theory and in real world implementation for key areas in today's advancing technological world.

- Systems Engineering Certificate
- Engineering Project Management Certificate
- Cybersecurity Certificate
- Computer Science/Software Architecture Certificate
- Aeronautics and Space Systems Certificate

Upon completion of the certificate program, the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate to be crediting towards the M.S. degree.

#### Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Transcript documenting B.S. in engineering or B.A. in Program Management or equivalent degree (GPA of 3.0 or higher) from an accredited university program

- If the applicant's GPA is below 3.0, also submit two letters of recommendation from past professors or current employer.
- Resume demonstrating two years' work experience
- Brief personal statement discussing how the graduate program fits the applicant's career goals

## GPA

Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree. The overall minimum GPA required for graduation is 3.0 in the M.S. programs and 2.7 in the Certificate programs.

## Graduation Requirements

Completion of the three courses from one of the technical areas of study below (9 semester hours):

- Systems Engineering Certificate--three 500- or 600-level courses (from the Core Systems Engineering Courses in the M.S. in Systems Engineering program)
- Engineering Project Management Certificate--three 500- or 600-level courses in Engineering Management--SYEG 520 Engineering Leadership and Integrity, SYEG 530 Lean Engineering and Management, SYEG 577 Engineering Economics and Finance, SYEG 620 Manufacturing Processes and Quality Systems, SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation
- Cybersecurity Certificate--SYEG 560 Cyber Security, SYEG 562 Secure Software Development, SYEG 563 Case Studies in Cyber Defense, SYEG 664 Advanced Cybersecurity Management
- Software Architecture Certificate--SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, ELEC 699 Independent Studies--GPU Architecture and Computing, ELEC 699 Independent Studies--Deep Learning Algorithms and Apps
- Aeronautics and Space Systems--SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, MECH 544 Propulsion, ELEC 598 Special Studies--Optical Communications

## Note:

Other systems engineering courses may be substituted for the above courses with the approval of the Graduate Program Director.

## Schedule for Certificate Programs

The students can complete the certificate program in one year by taking one course per semester, including summer.

## Courses for MS in Systems Engineering, Dual Degree, and Certificate Programs

The program designator "SYEG" is used for all courses and all study options offered by the Systems Engineering graduate program. The M.S. in Systems Engineering courses selected for the SYEG program must be approved by the Systems Engineering Program Director. The MBA course descriptions can be found in the MBA section. All courses are three (3) semester hours unless otherwise noted.

- SYEG 500 Systems Engineering *3 semester hours*
- SYEG 510 Project Management *3 semester hours*
- SYEG 520 Engineering Leadership and Integrity *3 semester hours*
- SYEG 530 Lean Engineering and Management *3 semester hours*

- SYEG 540 Systems Thinking: Major Tech Changes/Impacts *3 semester hours*
- SYEG 551 Software Architecture *3 semester hours* (cross listed with Computer Science)
- SYEG 554 Engineering for Autonomy *3 semester hours* (cross listed with Computer Science)
- SYEG 562 Secure Software Development *3 semester hours* (cross listed with Computer Science)
- SYEG 563 Case Studies in Cyber Defense *3 semester hours* (cross listed with Computer Science)
- SYEG 557 Agile Development and Project Management *3 semester hours* (cross listed with Computer Science)
- SYEG 570 Spacecraft Design *3 semester hours*
- SYEG 572 Spacecraft Communications and Radar *3 semester hours*
- SYEG 576 Business Law for Engineers *3 semester hours*
- SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization *3 semester hours*
- SYEG 586 Launch Vehicle Technology and Design Evolution *3 semester hours* (online format)
- SYEG 598 Special Studies *1 TO 3 semester hours*
- SYEG 599 Independent Studies *1 TO 3 semester hours*
- SYEG 600 Advanced Systems Engineering and Program Management *3 semester hours*
- SYEG 620 Manufacturing Processes and Quality Systems *3 semester hours*
- SYEG 640 Systems Architecture II: Model Based Systems Engineering *3 semester hours*
- SYEG 650 Systems Architecture I *3 semester hours*
- SYEG 560 Cyber Security *3 semester hours* (cross listed with Computer Science)
- SYEG 664 Advanced Cybersecurity Management *3 semester hours* (cross listed with Computer Science)
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours*
- SYEG 673 New Product Design and Development *3 semester hours*
- SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation *3 semester hours*
- SYEG 695 Preparation for Capstone Project *0 semester hours* (one Saturday or evening meeting)
- SYEG 696 Systems Engineering Integrative Project/Thesis *3 semester hours*
- SYEG 698 Special Studies *1 TO 3 semester hours*
- SYEG 699 Independent Studies *1 TO 3 semester hours*

LMU School of Education

## Administration

**Dean:** Michelle Young

**Associate Dean, Faculty:** Mary McCullough

**Associate Dean, Academic and Student Services:** Franca Dell'Olio

**Associate Dean, Enrollment and Business Services:** Ramiro Euyoque

## Contact Information

**Office Location:** University Hall 2100

**Telephone:** 310.258.8768

**Fax:** 310.258.5599

**Website:** <http://soe.lmu.edu>

## Introduction

The LMU School of Education offers graduate programs in the following areas of study: School

Administration, Bilingual Education, Catholic School Administration, Reading Instruction, Higher Education Administration, Urban Education, Educational Studies, School Psychology, Elementary and Secondary Education, Counseling, and Special Education. The School of Education also offers a doctorate in Leadership for Social Justice.

The high quality of the education program is confirmed through its accreditation by the California Commission on Teacher Credentialing, the National Association of School Psychologists, the National Council for the Accreditation of Educator Preparation, and Western Association of Schools and Colleges.

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential programs meet the requirements of states outside of California.

## **Mission of the School of Education**

In accordance with the Mission of Loyola Marymount University, the faculty, staff, and students of the School of Education understand and declare our purpose to be the encouragement of life-long learning and academic excellence, the education of the whole person, and the promotion of service and justice for all. We commit ourselves to serving public and private education by fostering excellence inspired by the Jesuit and Marymount traditions of Catholic education.

## **Goals of the School of Education**

The faculty, staff, and students of the School of Education strive to work collaboratively in a student-centered environment to be professionals who act to:

- *Value and respect all individuals*

We believe in the worth of each individual. We affirm the inherent dignity and value of each person as a child of God. Therefore, we believe that all individuals have the potential to be successful learners with unique characteristics and experiences that bring positive value and meaning to the learning experience.

- *Promote social justice*

We recognize the existence of social inequity, marginalization, and the different faces of oppression, and we commit ourselves to work actively for the establishment of a just and equitable society. While it is important to understand critically the structures, practices, and discourses that cause and perpetuate injustice, we also aim to nurture transformative structures, practices, and discourses that actively promote greater equity. This commitment challenges us to think with a global perspective, to embrace the notion of a preferential option for the poor, and to act with a conviction of equity.

- *Promote cultural responsiveness*

We recognize diversity as a strength, and we commit ourselves personally and professionally to serve culturally and linguistically diverse populations. These populations include those who represent cultural diversity broadly defined, including race, ethnicity, socio-economic status, gender, religion, sexual orientation, ability, and age. Among other valuable theories and approaches, we utilize sociocultural and constructivist perspectives in teaching and learning. We value these and other perspectives that promote active participation in learning as well as meaningful and authentic instruction and assessment and emphasize students' cultural and linguistic background experiences.

- *Integrate theory and practice*

We strive to unite theory and practice in a reciprocal relationship that mutually informs each other. We are a community of reflective practitioners, guided by critical inquiry and social responsibility. We actively engage in educational research, including faculty/ student collaboration. We affirm the use of technology in education as authentic, meaningful, and accessible to all learners.

- *Develop moral, intellectual, responsible, and caring leaders*

We are committed to the preparation of educators who will be leaders in the field and who reflect high standards of ethics and values. We seek to be, and to encourage others to be, women and men who have the intellectual skills to critically evaluate educational issues, have the moral conviction to respond as agents of change, and exhibit an ethic of care in the service of others.

- *Collaborate and share leadership across communities*

We believe in the value of working collaboratively with the districts, schools, parents, and students of the communities we serve to successfully educate all learners. We recognize, support, and promote the gifts and talents of community members and encourage their participation in decision-making processes.

## Candidate Outcomes and Proficiencies

The following four broad learning goals are intended to express the expectations for how all candidates will achieve the mission of the School of Education. Under each goal are corresponding candidate learning outcomes that express specific ways in which candidates should be able to demonstrate fulfillment of each goal.

### ***Unit Goal 1: Candidates will respect and value all individuals and communities.***

#### ***Candidate Learning Outcomes***

**Diversity:** Candidates will know, value, and integrate the diversity of students and their communities

**Culture of high expectations:** Candidates will promote a culture of high expectations for all

**Inclusion:** Candidates will be able to use inclusive strategies and practices

**Community:** Candidates will be able to gather and use multiple resources to better understand and serve their community

### ***Unit Goal 2: Candidates will integrate theory and practice.***

#### ***Candidate Learning Outcomes***

**Knowledge:** Candidates will be able to demonstrate knowledge of historical, philosophical, socio-political, economic, and legal influences on education

**Critical Lens:** Candidates will be able to use a critical lens to analyze and share content knowledge

**Reflection:** Candidates will be able to reflect on personal experience of self and others to inform practice

**Disposition:** Candidates will understand and model exemplary professional practices

**Research:** Candidates will be able to use multiple research methodologies

**Pedagogical Technology:** Candidates will be able to integrate content and pedagogical knowledge,

academic skills, and technology in professional practice

**Unit Goal 3: Candidates will advocate for access to a socially just education.**

**Candidate Learning Outcomes**

**Communication and Collaboration:** Candidates will be able to effectively communicate and collaborate

**Academic Excellence:** Candidates will promote academic excellence in the field

**Equity:** Candidates will be able to use pedagogical skills to implement principles of equity and empowerment

**Social Justice:** Candidates will be able to understand and respond to issues related to the preferential option for the poor and marginalized groups

**Technology:** Candidates will be able to advocate for and critically use technology

**Lifelong Learning:** Candidates will demonstrate a commitment to ongoing professional development and involvement in professional organizations

**Unit Goal 4: Candidates will lead in order to facilitate transformation.**

**Candidate Learning Outcomes**

**Ethics:** Candidates will be able to practice effective, ethical, and moral leadership

**Shared Vision:** Candidates will be able to share and collaboratively construct an inclusive vision within professional learning communities

**Performance Evaluation:** Candidates will be able to seek, reflect upon, and respond to constructive feedback

**Systemic Change:** Candidates will understand and use the elements, processes, and technological advances that lead to systemic change

**Assessment:** Candidates will understand and promote equitable and effective assessment and evaluation systems

## **School of Education Academic Regulations**

Per Federal Regulation 34 CFR 668.43(a)(5)(v), all LMU School of Education credential/licensure programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC) and for the CA Board of Behavioral Sciences as appropriate. The institution has not made a determination as to whether these credential, licensure, and professional preparation programs meet the requirements of states outside of California. If you are interested in practicing outside the state of California, it is recommended that you contact the respective licensing entity of that state to seek information or guidance regarding their licensure and credential requirements in advance to allow appropriate planning.

- Pupil Personnel Services: Credential School Counseling
- Pupil Personnel Services: Credential School Psychology
- Pupil Personnel Services: Child Welfare and Attendance
- Education Specialist: Mild/Moderate
- Bilingual Authorization
- Reading and Literacy Leadership Specialist Credential

- Reading and Literacy Added Authorization
- Administrative Services
- Multiple Subject
- Board Certified Behavior Analyst

## **Graduate Admissions Policies and Procedures**

Applicants for graduate programs are encouraged to contact SOE Admissions for advice and assistance in meeting the admission requirements. In order to continue in any SOE program, admitted candidates must remain in good academic standing and successfully meet requirements.

LMU processes all application submissions through the use of a cloud-based software service. When a prospective applicant applies to the SOE, the applicant will be prompted to create a user ID. Once the user ID is created, an applicant can review his or her application file and status at any time from a computer or mobile device.

**Non-Degree Status: Applicants seeking admission to the School of Education under non-degree status are not guaranteed admission.**

### **Exceptions Admissions Process**

Applicants who do not meet minimum admission requirements based on GPA (below 3.0 and above 2.7) or TOEFL/IELTS test scores will be asked to submit additional documentation for admission consideration through the exceptions process. Candidates accepted through the exceptions process will be admitted with additional program requirements.

### **Graduate Transfer Credit**

School of Education graduate students must submit transfer credit requests at the time of admission to their advisor/program director in order to receive credit toward a degree for graduate-level work taken at other regionally accredited colleges and universities. The request must be in writing with a course syllabus, University Bulletin description, and official transcript for each course they wish to transfer. All transferred course credit requested must have received a grade of at least 3.0 (B). Courses used to satisfy a degree requirement at another college or university cannot be used for transfer credit with the exception of core or prerequisite requirements. Students may request a transfer for up to 6 semester (9 quarter) hours of graduate units. Transfer coursework may not be more than five years old. Transfer credit requests received after admission will not be considered. The Office of the Registrar grants final approval of transfer credit.

### **Adding a Second LMU Master of Arts Degree**

A student who has earned a Master of Arts degree from the School of Education may apply up to three applicable core courses from that degree toward a second Master of Arts degree with the approval of the program director. The student must successfully complete all other requirements for the second degree.

## **Advising**

### **Orientation**

New students are strongly encouraged to attend Student Orientation.

## **Academic Advising**

Upon admission to the School of Education, students are assigned an academic advisor. The advisor will assist students with course sequencing, enrollment, and monitor their progress toward program completion. Students are advised to schedule a meeting with their academic advisor as soon as possible after admission and consult with their academic advisor regularly on program requirements and registration.

## **Professional Advising**

Faculty are available to meet with students to discuss professional, career, academic, and educational issues. Students are encouraged to see their program director for professional advisement.

## **Technology**

The School of Education emphasizes and supports the use of technology throughout its programs. To aid in the integration of technology, the School of Education maintains a computer lab as well as two eClassrooms in University Hall. The lab is available for use by School of Education students and faculty only. Hours are posted at the lab and at the School of Education website (<http://soe.lmu.edu>). There are several general use student computer labs in various locations on campus.

### **Basic Technology Skills**

All SOE applicants must verify that they are capable of basic technology skills necessary for success in the School of Education.

### **Email Accounts**

The School of Education will utilize students' LMU email accounts to contact students. Students are responsible for all University communication sent to their LMU email accounts. Students must check this account regularly or forward it to a preferred account. Students should contact the Student Help Desk for information on email and network access accounts.

### **LiveText**

LiveText is web-based software used by students to complete fieldwork and course assignments. All undergraduate, Masters, Education Specialist, credential, and certificate students enrolled in the School of Education are required to purchase and utilize LiveText. An ePortfolio fee is assessed to each student at the beginning of their first semester of enrollment. The fee covers a five-year subscription for LiveText.

## **Grading**

### **Credit/No Credit (CR/NC)**

A number of courses in the School of Education are offered on a Credit/No Credit basis. Credit indicates a graduate student has earned at least a "B" or an undergraduate student has earned at least a "C" in the course. Certain State-mandated credential courses must be taken for a grade. Instructors should be consulted for clarification.

### **Incomplete (I)**

A grade of Incomplete "I" may be requested by the student to the instructor in extraordinary circumstances and when a candidate has completed a minimum of 80% of the course work. It is the student's responsibility to ensure that all necessary forms are completed and submitted appropriately for any Incomplete grade request. The instructor may not approve the request. Graduate students with more than two Incompletes will

be blocked from registration.

### **In Progress (IP)**

In Progress grades are given in fieldwork classes when the academic calendars of the PK-12 school and the University do not align. The In Progress grade indicates that the fieldwork is in progress at the time grades were submitted. An IP grade will be replaced by a grade of CR or NC.

## **Support for Candidates' Development of Academic and Professional Standards**

The School of Education is committed to the development of qualified educators to work in public, private, and Catholic schools. This commitment is made to the candidates, to the students with whom they will work, and to the general public we serve. The faculty strives to enhance each candidate's ability to work effectively with students and families, and to be highly sought by schools and school districts. During the candidate's course of study in the School of Education, the faculty will provide feedback and support to candidates in both their academic and professional development.

### **Academic Development**

When a candidate is not able to meet the minimum academic expectations in a course, the instructor will conduct one-on-one meeting(s) with the candidate to develop a remediation plan. This plan may include, but is not limited to: referral to the program director; tutorials provided by the faculty; support from peers; or a referral to the University's Academic Resource Center. If the candidate is not able to attain the minimum course grade needed for graduation, he/she may retake the course to attain a higher grade with approval from the program director.

All candidates are required to maintain a minimum semester and cumulative GPA of 3.0 during their course of study. Candidates will be placed on academic probation if they fail to meet the minimum GPA. The candidate will be required to meet with the program director, who will monitor the candidate's progress. Students on academic probation must receive a "B" or higher the following semester or be subject to disqualification from the University.

### **Professional (Non-Academic) Development**

The School of Education, the California Commission on Teacher Credentialing and the Council for Accreditation of Educator Preparation have determined that non-academic qualities are necessary for educators to be successful. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop and demonstrate. If a candidate fails to meet appropriate professional expectations in class or in field placements, the School of Education will assist with the student's professional development.

Assistance with professional development will take the following steps:

- The instructor will consult with the student and complete the necessary documentation.
- The instructor and program director will work with the student to develop a remediation plan. Assistance may include: specific tutorials provided by any member of the faculty; a referral to LMU Student Psychological Services; or other referrals.
- The instructor, program director, and student will meet with the associate dean if necessary.
- The program director will monitor the student's progress in accordance with the developed remediation plan.

Students who cannot uphold academic or non-academic standards may be disqualified from their program. Students who are disqualified from one program in the School of Education are not eligible for any other program in the School.

## **Statement of Professional Dispositions**

The School of Education holds four Unit Dispositions that shape the professional expectations for all candidates: "We strive to be, and to educate professionals to be, educators who: **Respect** and value all individuals and communities; **Educate** by integrating theory and practice; **Advocate** for access to a socially just education; and **Lead** in order to facilitate transformation."

## **Comprehensive Assessment**

All students completing a Master of Arts degree must successfully pass a Comprehensive Examination, complete a Culminating/Capstone Experience, or successfully complete a thesis in their subject area.

## **Comprehensive Examination**

Students are required to enroll in and receive credit for 6995, Comprehensive Examination, to complete the Master of Arts degree. There is a fee charged to zero-semester-hour courses.

The comprehensive examination is not just a quantitative or cumulative extension of the examination content of all required courses. Rather, it examines a candidate's ability to apply acquired knowledge and experiences to a set of practical problems within the candidate's field of specialization. The comprehensive examination can be written and/or oral. The various Master of Arts degrees have specific requirements as to what type of comprehensive examination or Capstone is required. Students should consult their program director as to the type of comprehensive examination or Capstone required.

## **Thesis**

Select programs within the School of Education offer a thesis option in place of the comprehensive examination. The course requirement section of each program will indicate whether this option is available. Students in those programs who are interested in this option must meet the thesis guidelines as specified by their program director. In addition to meeting the thesis criteria and guidelines, students in the thesis option must complete EDLA 6950 Advanced Research Methods, EDLA 6951 Advanced Research Design, and EDCE 6955 Master's Thesis I. Continuing course enrollment in EDCE 6956 Master's Thesis II and EDCE 6957 Master's Thesis III may also be required.

## **Graduation**

A commencement ceremony is held at the end of the Spring term for those degree candidates who are eligible and wish to participate. Please consult the Registrar's website for more detailed information.

## **Application for Degree**

Degrees are awarded at the end of the Spring, Fall, and Summer II terms. Candidates must submit a formal application for degree to the Office of the Registrar. The deadlines to apply for degree are listed in the University calendar. The degree will not be posted to the candidate's transcript if an application for degree is not submitted. See the Registrar's website for more detailed information.

## **Requirements for Graduation**

1. All requirements for the degree must be met prior to the degree date.
2. The date of the degree posted on the student's transcript and diploma is the one by which all graduation requirements, including the application for degree, have been completed.
3. A 3.0 cumulative GPA must be met prior to the degree date.
4. All incomplete work required for the degree must be completed prior to the degree date.

Failure to comply with these regulations will preclude the granting of a degree. Those who have applied for a degree and do not complete the requirements before the projected date of completion for which they applied are required to reapply in a later semester.

For combined credential and M.A. degree programs, graduation and degree-awarding does not result in automatic credential recommendation. Completion of credential requirements, including a 3.0 GPA in the credential coursework and fulfillment of non-course requirements, are required before recommendations are processed.

## **School of Education Academic Awards**

The School of Education will name an Outstanding Student for each graduate degree and undergraduate program, with the exception of the Doctoral program. The recipient must be a student graduating in the current academic year. The candidates for these awards are nominated and voted upon by faculty in recognition of the graduate's academic, personal, and professional qualities that best exemplify the mission and goals of the School of Education.

## **Credential Application Process**

The California Commission on Teacher Credentialing issues credentials upon the recommendation of the School of Education.

A credential application must be submitted to the School of Education Credential Office at the completion of the candidate's credential program requirements. See the School of Education credential section of the website at <http://soe.lmu.edu> for detailed information on the credential application process. A 3.0 GPA in the credential program coursework and fulfillment of non-course requirements is required for credential recommendations.

## **Student Records and Materials**

All materials submitted to the School of Education are property of the School of Education and will not be returned to the student. Students are advised to make copies of all materials submitted for their records.

## **School of Education Centers**

In addition to the academic departments that house the programs identified below, the School of Education has developed several centers to further our commitment to, and work in, teaching, research, and community advocacy/support: Center for Catholic Education, Center for Equity for English Learners, and Center for Undergraduate Teacher Preparation.

## **Center for Catholic Education**

### **Contact Information**

**Executive Director:** Rosemarie Nassif, SSND, Ph.D.

**Phone:** 310.568.6614

**Location:** University Hall 1760

Catholic schools are an integral part of the educational systems of urban centers across the United States, serving as pillars for many communities, particularly in economically disadvantaged areas. In Los Angeles, more than 80,000 children and their families rely on these schools to provide the moral, spiritual and intellectual underpinnings that have enabled so many Catholic school graduates to become productive, socially conscious adults.

But these schools are facing significant challenges. Enrollment in Catholic schools has declined 12 percent nationally in the last decade. Many schools are struggling financially. Catholic school systems are in need of professional development for teachers and administrators, along with research into the most effective approaches to running the schools and educating increasingly diverse student bodies.

With the Center for Catholic Education, the LMU School of Education is positioned to assist the Archdiocese of Los Angeles, the Dioceses of Orange and San Bernardino, as well as Catholic school systems across the country, in ensuring that the rich tradition of Catholic education endures and grows. The CCE brings together a broad range of successful programs at SOE to advance PK-12 Catholic education by training school leaders and teachers, increasing awareness of Catholic schools' impact on communities, and developing innovative ways to support Catholic schools. The Center for Catholic Education will serve as an anchor for Catholic schools in Los Angeles and nationally so that the rich tradition of Catholic education continues to shape morally and socially conscious men and women.

The Center for Catholic Education is committed to leadership development, teacher preparation, research, and outreach.

## **Center for Equity for English Learners**

### **Contact Information**

**Executive Director:** Magaly Lavadenz

**Associate Director:** Elvira G. Armas

**Telephone:** 310.338.2924

**Center Location:** University Hall 1300

The Center for Equity for English Learners (CEEL) was established in 2006, with support from Bank of America, for the purpose of improving educational outcomes of English Learners (ELs). The Center's research and professional development agendas will inform leadership and instructional practices for the state's 1.5 million English Learners and the nation's 3.5 million English Learners. CEEL's mission is to pursue equity and excellence in the education of English Learners by transforming schools and educational systems through CEEL's research and professional development agendas. An integral component of this work is the development of advocacy-oriented leadership. Educators who utilize students' cultural and language resources while developing students' academic competencies have the potential to significantly transform schools and educational systems.

## **Center for Undergraduate Teacher Preparation**

### **Contact Information**

**Senior Director:** Annette Pijuan Hernandez

**Telephone:** 310.258.8806

**Center Location:** University Hall 3407

The Center for Undergraduate Teacher Preparation is a vibrant community that draws together all who are interested in education in ways that encourage them to be engaged learners, critical thinkers, and socially responsible citizens. The Center provides matriculation-to-graduation advising and other academic and professional support to undergraduate students preparing for careers in K-12 teaching. The Center also serves as a resource for faculty and staff who provide instruction and other services in LMU's undergraduate teacher preparation programs. Undergraduate students completing a program supported by the Center will achieve both a major in their chosen discipline, as well as fulfill the requirements set forth by the California Commission on Teacher Credentialing for a preliminary teaching credential within their time at LMU.

The Center supports a number of undergraduate programs that integrate the major with teacher preparation requirements. These teacher preparation programs can lead to attaining a preliminary multiple subjects (elementary), single subject (secondary), or special education credential. A bilingual authorization is also attainable with the multiple or single subject credentials. These programs are directed by faculty and located in several departments throughout the university and include:

### **Bellarmino College of Liberal Arts**

Liberal Studies (Elementary Education)

English

Social Science (History and Political Science)

Spanish

### **College of Communication and Fine Arts**

Art

### **Frank R. Seaver College of Science and Engineering**

Biology

Chemistry

Math

### **School of Education**

Elementary Education (Preliminary Multiple Subjects Credential, K-5)

Secondary Education (Preliminary Single Subjects Credential, 6-12)

Bilingual Authorization (Added to the Preliminary Multiple or Single Subject Credentials)

Special Education (Education Specialist Credential: Mild/Moderate Disabilities, K-12)

## **Educational Leadership**

# Faculty

Chairperson: Elizabeth Reilly

Professors: Antonia Darder (Leavey Presidential Endowed Chair), Magaly Lavadenz, Martha McCarthy (Presidential Professor), Mary K. McCullough (Associate Dean and Professor), William Perez, Elizabeth Reilly, David Sapp

Associate Professors: Franca Dell'Olio, Karen K. Huchting, Elizabeth Stoddard

Assistant Professor: Kyo Yamashiro

Clinical Professor: Jill Bickett

Clinical Associate Professors: Lauren Casella, Manuel N. Ponce Jr., Sr. Mary Angela Shaughnessy, SCN, Rebecca Stephenson

Affiliated Faculty: Elvira Armas, Dana Coleman, Maurice Ghyselis, Gisela O'Brien

## Contact Information

**Location:** University Hall, Suite 2300

**Telephone:** 310.258.8748

**Fax:** 310.338.1647

**Program Coordinator:** Leslie M. Blancarte

**Email:** Leslie.Blancarte@lmu.edu

## Introduction

Our programs are designed to provide new and experienced educators and administrators with the tools, theories, and experiences needed to succeed in transforming educational settings into inclusive and equitable learning environments. Combining theory with practice, our program curriculums provide candidates with a better understanding of the complex issues impacting education and student achievement, and prepares graduates as change agents.

## Certificate

### Catholic School Administration Certificate

Contact Information

**Program Director:** Lauren R. Casella

**Academic Advisor:** Danielle West

Introduction/Overview

The Certificate in Catholic School Administration (CCSA) is a 10-semester-hour graduate program designed to provide a full year of content in mission-focused, organizational, and instructional leadership. The CCSA supports those educators interested in Catholic school administration and need a concentrated education in the distinctive mission and operations of Catholic schools. The overall objective of this certificate program is

to educate, prepare, and form prospective and novice Catholic school leaders in effective Catholic school administration and leadership. Candidates receive a rigorous curriculum that includes Catholic school history, mission, law, ethics, budget, finance, operations, marketing, fundraising, admissions, personnel management, curriculum, and instruction. The four pillars of adult Catholic spirituality, technology, inclusion, and the development of a professional learning community give the foundation for each of the four courses of the program. The CCSA Program is offered in two modalities: a hybrid model for the local cohorts and an online model for the national cohort.

### Program Outcomes

As a result of this program, candidates will:

- Practice critical reflection and contemplative practice that is grounded in a Catholic worldview and rooted in a well-formed Catholic identity
- Identify, develop, and articulate a clear and purposeful vision for integrating a positive Catholic culture, environment, and curriculum that is rooted in a school-wide mission and vision statement consistent with Catholic faith and religious values
- Examine and appraise Catholic school governance structures and transformational leadership models that provide direction, authority, and leadership in Catholic education
- Articulate an intellectually rigorous program of education infused with the Catholic faith and traditions that promotes student academic success and spiritual formation, fosters teacher professional growth, and emphasizes a culture of continuous improvement
- Identify, develop, and articulate a clear and purposeful vision of operational vitality through sustainable financial planning, human resource/personnel management, facilities maintenance and enhancement, contemporary communication practice, and institutional advancement strategies

### Program Admission Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
  - One must be from applicant's employer
- Verification of Employment Form
- Technology Requirement Form
- Professional Resume
- 2 sealed, official transcripts for all colleges and/or universities attended
- Catholic School Program Contract/Agreement
- Local Cohort applicants must provide a signed Title II Compliance form
- National Online Cohort applicants must apply through the Catholic Extension Society
- A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

### Certificate Requirements

### Required Courses

- EDLA 6420 An Invitation to Lead *1 semester hours*

- EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education *3 semester hours*
- EDLA 6431 Organizational Leadership in Catholic Education *3 semester hours*
- EDLA 6432 Instructional Leadership in Catholic Education *3 semester hours*

Total: 10 semester hours

#### Additional Requirement

- Maintain a minimum overall GPA of 3.0 (B or better in all courses)

## **Charter School Leadership Certificate (Online)**

#### Contact Information

Program Director: Manuel Ponce

Academic Advisor: Danielle West

#### Introduction/Overview

The fully online Certificate in Charter School Leadership Program is designed to equip candidates with the skills, knowledge, and dispositions needed to serve as educational leaders in California. The Program is rooted in the rationale that twenty-first century leaders require knowledge and skills in the following areas: systemic reform; reflective practice; ethical, moral, and collaborative decision-making; diversity and inclusion; critical inquiry; advocacy for technology and is accessibility to all stakeholders; transformative leadership; and assessment/research.

#### Program Outcomes

As a result of this program, candidates will:

- Demonstrate the skills, knowledge, and dispositions to serve as an Educational Leader in California with an emphasis on the specific needs of charter school leaders
- Articulate a vision for instructional leadership that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Language Learners, and the parent-school relationship
- Develop an understanding of the financial and operational aspects of charter school leadership
- Demonstrate their understanding of the fundamental aspects of charter school leadership and operations through the construction of a charter school petition

#### Admission Requirements

- Graduate Application
- 2 Letters of Recommendation
  - One letter must be from applicant's employer
- 2 sealed official transcripts
- Resume
- Charter Schools Program Agreement
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss implications of these for leadership and how they intersect with your personal leadership in your current school setting, as well as in future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at

least 9 graduate units is required.

- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

### Certificate Requirements

#### Required Coursework

- EDLA 6101 Foundations of Charter School Leadership: Vision of Learning for Diverse Students, Families, Staff, and Community *3 semester hours*
- EDLA 6102 Charter School Instructional Leadership: Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community *3 semester hours*
- EDLA 6103 Specialized Charter School Leadership Preparation with Petition Writing Lab *4 semester hours*

Total: 10 semester hours

#### Additional Program Requirements

- Petition Writing Lab
- Charter School Petition Culminating Project

## Charter/Small School Leadership Certificate

### Contact Information

**Program Director:** Manuel Ponce

**Academic Advisor:** Danielle West

### Introduction/Overview

The Certificate in Charter/Small School Leadership consists of 11 semester hours (3 classes) in one academic year. Designed for those who already have a general background in educational leadership, are already leading in a charter school, or an innovator who wants to explore creating their own school, this Certificate provides candidates with cutting-edge research, as well as with the practical skills they need to succeed in innovative charter school and small school settings.

### Program Outcomes

As a result of this program, candidates will:

- Demonstrate the skills, knowledge, and dispositions to serve as an Educational Leader in California with an emphasis on the specific needs of charter school leaders
- Articulate a vision for instructional leadership that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Language Learners, and the parent-school relationship
- Develop an understanding of the financial and operational aspects of charter school leadership
- Demonstrate their understanding of the fundamental aspects of charter school leadership and operations through the construction of a charter school petition

### Program Admission Requirements

- Graduate Application

- 2 Letters of Recommendation
  - One letter must be from applicant's employer
- 2 sealed official transcripts
- Resume
- Charter Schools Program Agreement
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss implications of these for leadership and how they intersect with your personal leadership in your current school setting, as well as in future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Certificate Requirements

### Required Coursework

- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*

Total: 11 semester hours

### Additional Requirement

- Charter School Petition Culminating Project

## Credential

### Preliminary Administrative Services Credential

#### Contact Information

**Program Director:** Manuel Ponce, Jr.

**Academic Advisor:** Danielle West

#### Introduction/Overview

This program is for any educators who are interested in furthering their understanding of educational leadership to acquire the skills and dispositions needed to lead schools effectively. LMU's Preliminary Administrative Services Credential (Tier I) program is specifically designed to prepare candidates for administration positions in public, private, charter, and Catholic schools. The Preliminary Administrative Services Credential is a requirement in many districts as well as for many higher-level district positions. All LMU School of Education credential programs meet the California State requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to

whether the credential program meets the requirements of states outside of California.

The Preliminary Administrative Services Credential is a completely online program.

### Program Outcomes

Through the study of relevant leadership theory and participation in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in practical settings, candidates will:

- Acquire the skills, knowledge, and dispositions to serve as an Education Leader in California
- Demonstrate the ability to be moral and ethical leaders for social justice who respect differences, value reflective practice, understand change facilitation, build learning communities, and work effectively in diverse settings
- Identify, develop, and articulate a clear and purposeful vision for leadership that enables an environment that inspires a shared vision and enlists the active participation of all stakeholders
- Develop an understanding and a theory of action regarding the political, financial, legal, and operational aspects of school leadership through investigation of leadership theory
- Develop a vision for instructional leadership and a theory of action that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Learners, and the parent-school relationship

### Program Admission Requirements

- Graduate Application
- 2 Letters of recommendation
  - One from applicant's school principal
- Verification of prior teaching experience
- Verification of employment
- Resume
- 2 sealed official transcripts from each college/university attended
- CBEST passing scores (or equivalent)
- Copy of valid teaching and/or service credential
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss its implications for leadership and how it intersects with your personal leadership in your current school setting, as well as future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

### Program Requirements

### Credential Requirements

### **Program Requirements/Credential Requirements**

- A minimum of five years of experience working under a valid California base credential (such as

teaching, Pupil Personnel Services) in addition to satisfactorily completing all program requirements is required to apply for the Preliminary Administrative Services Credential.

- A clear California Base credential is needed before applying. For this reason, it is recommended that eligible applicants have at least three years of experience at the time of applying.
- Individuals must satisfy all of the following requirements in addition to their program of study in order to be eligible for credential recommendation:
  - Possess a valid prerequisite credential.
  - Complete a Commission-approved program of specialized and professional preparation in administrative services resulting in the formal recommendation of the program sponsor (LMU's Preliminary Administrative Services Credential Program)
  - Satisfy the California basic skills requirement.
  - Complete five years of full-time experience.
  - Verify employment in an administrative position.
  - Satisfy the requirements of the California Administrative Performance Assessment
    - A passing score on each of the three cycles of the assessment

#### Required Coursework

- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*
- EDLA 6441 Fieldwork/CalAPA Cycle 1 *0 semester hours*
- EDLA 6442 Fieldwork/CalAPA Cycle 2 *0 semester hours*
- EDLA 6443 Fieldwork/CalAPA Cycle 3 *0 semester hours*

Total: 18 semester hours

## Doctorate

### Educational Leadership for Social Justice, Ed.D.

Contact Information

**Interim Program Director:** William D. Parham

**Associate Director:** Karen Huchting

Introduction/Overview

The Ed.D. in Educational Leadership for Social Justice is an innovative three-year cohort program whose vision is a more socially just future for schools and other educational and community settings. Offered in both a face-to-face and fully online format, the Ed.D. program provides experienced educators and community leaders with the tools, theories, and experiences needed to succeed in transforming educational settings into inclusive and equitable learning environments. Combining theory with practice, the curriculum

provides candidates with a better understanding of the complex issues impacting education and student achievement, and prepares graduates as change agents.

### Program Outcomes

As a result of this program, candidates will:

- Analyze the economic, political, legal, and sociocultural context of education
- Engage in inquiry and research to promote inclusive excellence in education and/or society
- Articulate how theory and research influence the development of personal leadership practice
- Advocate for the transformation of educational and community settings into just and equitable learning environments

### Program Admission Requirements

- Graduate Application
- GRE test scores
- Statement of Purpose (two to four pages) following the format described in application guide
- Earned master's degree from an accredited institution
- Official transcripts from all colleges/universities attended (one copy)
- GPA of 3.0 (4.0 scale) in undergraduate coursework
- GPA of 3.5 (4.0 scale) in master's coursework
- Transferability of 20 graduate-level semester units in a related field, which includes verified content in research methods and diversity
- Current résumé
- Two letters of recommendation
- Minimum of two years of full-time educational leadership experience in Pk-12 schools, higher education, nonprofit, or community organizations, or other education setting
- Select applicants will be invited to participate in a group interview with the Doctoral Admissions Committee.
- Applicants who have taken doctoral level coursework at another accredited university may request a transcript audit and admission to an individualized course of study leading to the Ed.D. in Educational Leadership for Social Justice. Candidates must meet the admission requirements. If accepted, candidates must complete the required tutorials, research seminars, and culminating experience.

### Degree Requirements

Students must pass all required coursework (46 semester hours; 20 units are transferred from Masters coursework for a total of 66 units), pass all program benchmarks, complete pre-publication review, and publish on ProQuest.

### Required Coursework

- EDLA 7001 Leadership for Social Justice in Education *3 semester hours*
- EDLA 7002 Moral and Ethical Leadership *3 semester hours*
- EDLA 7004 Organizational Theory and Change *3 semester hours*
- EDLA 7005 Educational Change and Innovation *3 semester hours*
- EDLA 7020 Situated Inquiry in Education *3 semester hours*
- EDLA 7021 Quantitative Research in Education *3 semester hours*
- EDLA 7022 Qualitative Research in Education *3 semester hours*
- EDLA 7023 Doctoral Colloquia *2 semester hours*

- EDLA 7042 Management of Fiscal/Human Capital *3 semester hours*
- EDLA 7043 Legal and Policy Issues in Education *3 semester hours*
- EDLA 7045 Transformational Leadership for Student Achievement *3 semester hours*
- EDLA 7049 Research Seminar *2 semester hours*
- EDLA 7940 Preliminary Review Design *1 semester hours*
- EDLA 7950 Dissertation Proposal Design *2 semester hours*

Candidates select one of the following content specific courses:

- EDLA 7040 Context and Current Topics in Public Education *3 semester hours*
- EDLA 7060 Context and Current Topics in Private Education *3 semester hours*

Dissertation

Candidates complete at least 8 semester hours of dissertation coursework, including:

- EDLA 7951 Dissertation Seminar I *2 semester hours*
- EDLA 7952 Dissertation Seminar II *2 semester hours*
- EDLA 7953 Doctoral Seminar I *2 semester hours*
- EDLA 7954 Doctoral Seminar II *2 semester hours*

Note:

\*EDLA 7954 is only required if a candidate does not successfully defend his/her dissertation by the end of Spring semester of his/her third year. Candidates must register for EDLA 7954 each semester (except Summer Session II) until the dissertation is signed off by the chair.

Total: 46 semester hours (20 units transferred from Masters coursework for a total of 66 units)

Additional Requirements

- Benchmark #1: Preliminary Review
- Benchmark #2: Dissertation Proposal Defense, Institutional Review Board Approval (as needed), and Advancement to Candidacy
- Benchmark #3: Dissertation Defense

## **Masters**

### **Catholic School Administration, M.A. - Not Admitting At This Time**

Contact Information

**Program Director:** Lauren R. Casella

**Academic Advisor:** Danielle West

Introduction/Overview

This unique and successful educational program, offered by LMU's Department of Educational Leadership and Administration (EDLA), provides professional development that is specific to the Catholic school administration context. The two-and-a half year, 31-unit program Master's Degree in Catholic School Administration is designed to address four major themes in Catholic school administration; mission-focused leadership; faith and spiritual leadership; operational management; and instructional leadership. The integration of faith and professional practice is made relevant through practical experiences that prepare

candidates to grow as Catholic school leaders through project based learning strategies. Candidates learn that assessment, accountability, and transparency can serve well the mission, vision, and learning outcomes of every Catholic school.

### Program Outcomes

As a result of this program, candidates will:

- Apply foundational information on Catholic schools to current trends, policy issues, and educational practices through regular reflective experiences
- Enhance leadership skills in working collaboratively through activities designed to foster a professional learning community of faith
- Lead the faculty, students, and parents in a professional learning community of faith formed in the teachings and traditions of the Catholic Church and dedicated to social justice

### Program Admission Requirements

- Applicants must have successfully completed the 10 semester hours of the Certificate in Catholic School Administration as a prerequisite for admission to the Master's degree in Catholic School Administration. The 10 semester hours of the Catholic School Leadership Certificate program will be applied toward the 31 semester hours required for completion of the Master's degree in Catholic School Administration.
- Application form

### Degree Requirements

#### Required Coursework

All Certificate program courses:

- EDLA 6420 An Invitation to Lead *1 semester hours*
- EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education *3 semester hours*
- EDLA 6431 Organizational Leadership in Catholic Education *3 semester hours*
- EDLA 6432 Instructional Leadership in Catholic Education *3 semester hours*

Total Certificate: 10 semester hours

Courses after completion of Certificate:

- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*
- EDLA 6424 Organizational Management for Student Learning *3 semester hours*
- EDLA 6433 Visions of Learning *3 semester hours*
- EDLA 6434 Student Learning and Professional Growth *3 semester hours*
- EDLA 6435 Transforming Organizations *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*

Total Additional MA: 21 semester hours

Total: 31 semester hours

### Additional Degree Requirements

- Capstone Culminating Oral Presentation

# Higher Education Administration, M.A.

## Contact Information

**Program Director:** Elizabeth Stoddard

**Academic Advisor:** Danielle West

## Introduction/Overview

The M.A. in Higher Education Administration guides candidates in becoming scholarly, reflective, and transformative higher education leaders. The program prepares candidates to be justice-oriented administrators in all divisions and all sectors of higher education. The program recognizes the contributions and nuances of serving in two- and four-year, private and public, and religiously affiliated post-secondary institutions.

## Program Outcomes

As a result of this program, candidates will:

- Articulate the historical and current role of higher education in American society
- Describe organizational and governance structures in American higher education
- Employ critical reflection skills when analyzing data and problem solving
- Articulate informed viewpoints on current higher education issues
- Articulate and value the experiences of postsecondary students, faculty, and staff from underrepresented groups
- Work to support the success of all postsecondary students
- Demonstrate basic administrative competencies such as planning, budgeting, and assessment
- Demonstrate knowledge of higher education legal and ethical issues
- Understand, evaluate, and adapt developmental, organizational, and leadership theories to their practice

## Admission Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from each college/university attended
- Resume
- Bachelor's degree conferred official transcripts
- Two letters of recommendation
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Statement of Intent:
  - 3-4 pages, double-spaced, 12 point font
  - Addressing the following:
    - How have your life and professional experiences informed your decision to pursue a graduate degree in higher education?
    - Why do you want to study in the LMU higher education program?
    - What leadership and academic qualities will you bring to the higher education program?

- What leadership and/or academic qualities need further development?
- How will you contribute to the mission of the LMU School of Education?
- What are your future goals/plans as they relate to higher education leadership?

## Degree Requirements

### Required Coursework

- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDLA 6710 Leadership in Higher Education I *3 semester hours*
- EDLA 6711 Foundations of Higher Education *3 semester hours*
- EDLA 6712 Organization and Administration in Higher Education *3 semester hours*
- EDLA 6713 Theories of College Student Development *3 semester hours*
- EDLA 6714 Leadership in Catholic Higher Education *2 semester hours*
- EDLA 6715 Community College Leadership *2 semester hours*
- EDLA 6720 Fieldwork in Higher Education *3 semester hours*
- EDLA 6721 Higher Education Law and Public Policy *3 semester hours*
- EDLA 6722 Resource Management in Higher Education *3 semester hours*
- EDLA 6723 Leadership in Higher Education II *3 semester hours*
- EDLA 6995 Comprehensive Examination *0 semester hours*

Total: 31 semester hours

## School Administration, M.A.

### Contact Information

**Program Director:** Manuel Ponce, Jr.

**Academic Advisor:** Danielle West

### Introduction

This program is for any educators who are interested in furthering their understanding of educational leadership to acquire the skills and dispositions needed to lead schools effectively.

Based on academic and professional background and career goals, the M.A. may be taken as a stand-alone program, be combined with the Charter School Leadership Certificate program, or (for applicants who hold a valid California base credential and have a minimum of three years full-time experience with that credential) be combined with the Preliminary CA Administrative Services (Tier I) Credential program. The requirements outlined below are for the standalone program only.

### Program Outcomes

Through the study of relevant leadership theory and participation in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting, candidates will:

- Acquire the skills, knowledge, and dispositions to serve as an Educational Leader in California
- Demonstrate the ability to be moral and ethical leaders for social justice who respect differences, value reflective practice, understand change facilitation, build learning communities, and work effectively in diverse settings
- Identify, develop, and articulate a clear and purposeful vision for leadership that enables an environment that inspires a shared vision and enlists the active participation of all stakeholders
- Develop an understanding and a theory of action regarding the political, financial, legal, and

operational aspects of school leadership through investigation of leadership theory

- Develop a vision for instructional leadership and a theory of action that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Learners, and the parent-school relationship

#### Program Admission Requirements

- Graduate Application
- 2 Letters of Recommendation
  - One letter must be from employer
- Resume
- 2 sealed, official transcripts from each college/university attended
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss its implications for leadership and how it intersects with your personal leadership in your current school setting, as well as future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

#### Degree Requirements

##### Required Coursework

- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6426 Instructional Technology for School Leaders *2 semester hours*
- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*

In addition to the courses listed above, candidate must take two out of the three electives listed below:

- EDLA 6429 Specializing in Charter Schools *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*

Total: 32 semester hours

##### Degree Benchmarks

- Capstone Oral Examination

## Specialized Programs in Professional Psychology

## Faculty

Chairperson: Terese C. Aceves

Professors: Terese C. Aceves, Sheri A. Atwater, Emily S. Fisher, Brian P. Leung, William D. Parham

Associate Professor: Fernando Estrada

Affiliate Faculty: Catherine M. Foote

## Contact Information

**Location:** University Hall, Suite 1500

**Telephone:** 310.568.6854

**Fax:** 310.568.6640

**Senior Administrative Coordinator:** Cheryl Wawrzaszek

## Introduction

The programs in the Department of Specialized Programs in Professional Psychology (EDSP) are designed intentionally to prepare graduates to assume professional roles as counselors, school psychologists, certified behavior analysts, and community mental health practitioners, in a variety of settings including K-12 public, private and charter schools, colleges and universities and private non-profit organizations. Each program offers a rigorous academic curriculum and experiential learning components the combination of which makes for a well-trained professional able to work with students, colleagues, administrators, community populations, and civic leaders. The faculty in the Department of Specialized Programs in Professional Psychology is known for their excellent teaching, respected scholarship, and dedication to serving others. The learning community co-created by the department faculty and students is one from which everyone benefits. In short, graduates of each program within the Department of Specialized Programs in Professional Psychology come to understand and appreciate the complex 21st century issues and challenges that frame the local, regional and national landscape of education.

## Certificate

### Child Welfare Attendance Supplemental Authorization Certification (CWA)

Contact Information

**Program Director:** Sheri A. Atwater

**CWA Fieldwork Liaison:** Esther Gobrial

**Associate Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

Introduction

The Child Welfare Attendance Add-On authorization is recognized by the State of California, Commission on Teacher Credentialing (CCTC), as a program option for P.P.S. credential-held practitioners in School Counseling, School Psychology, or School Social Work. Practitioners who hold a valid P.P.S. Credential with an Option in School Counseling/School Psychology/School Social Work and CWA provide child

welfare attendance and related services in addition to their main role or function within a school district.

### Program Outcomes

As a result of this training program, students will:

- Know state laws applicable to Child Welfare and Attendance
- Design prevention and intervention strategies for addressing child welfare and truancy in order to reduce student barriers to learning
- Evaluate the effectiveness of prevention and intervention strategies for addressing child welfare and attendance issues
- Value and understand strengths of prevention and intervention strategies for addressing child welfare and attendance issues
- Understand limitations, including contextual and societal barriers, of prevention and intervention strategies for addressing child welfare and attendance issues
- Value using prevention and intervention strategies to benefit students, their families and community

### Program Admissions Requirements

- Applicants must either be currently enrolled in one of our two LMU PPS (School Counseling or School Psychology) programs, currently enrolled in fieldwork courses for the PPS credential at a regionally accredited-institution, or already possess a valid PPS credential.
- A minimum graduate GPA of 3.0 and previous experience with students in schools, and an understanding and implicit agreement with the LMU mission and SOE Conceptual Framework
- All applicants are required to submit a personal statement addressing their background and interest in the field, official transcripts, a copy of their current, valid PPS credential (if a PPS credential holder), and two letters of recommendation attesting to their academic and personal qualifications for success in this graduate program.

### Program Requirements

#### Additional Requirements

- To "add on" this optional CWA authorization to their existing P.P.S. credential, all candidates will be required to take the CWA coursework over the span of 1-2 semesters while concurrently enrolled in their culminating Fieldwork PPS school placement or (if a PPS credential holder) currently employed as a school counselor/psychologist/social worker in a local school district. While enrolled in PPS Fieldwork (6 semester hours over 2 semesters), students are allowed to take one additional course (3 semester hours) per semester; thus, current LMU students would be advised to take the first 3-semester-hour content course for CWA during FW 1; and the other during FW 2, IF they opt to gain this added authorization.
- Students will not be advised or allowed to take a semester "off" from their degree program in order to complete this supplemental authorization, as it is dependent upon concurrent enrollment in their PPS Fieldwork courses (or current employment in a school district in a PPS position as a school counselor, administrator, psychologist, or social worker if a valid credential holder). The CWA Program is not a substitute for the students' regular program but in addition to it; it is their choice to take this additional coursework in order to improve job opportunities in the field.

### Required Coursework

- EDSP 5303 Foundations in Child Welfare and Attendance 3 *semester hours*
- EDSP 5304 School Attendance Improvement and Truancy Remediation: Prevention and Intervention

*3 semester hours*

- EDSP 5305 CWA Fieldwork and Supervision *3 semester hours*

Total: 9 semester hours

## **Board Certified Behavioral Analyst Certificate Program (BCBA)**

Note: Not admitting at this time.

Contact Information

Program Director: Melinda Docter

Associate Director: Catherine M. Foote

Introduction/Overview

The curriculum for the Board-Certified Behavior Analyst Certificate Program (BCBA) will follow the guidelines established by the Behavior Analysts Certification Board (BACB) as outlined in the BACB's Fourth and Fifth Edition Task Lists and Course Content Allocation documents. There is a significant need in the schools for well-trained and properly certified individuals to work with students with challenging behaviors (e.g., students with autism). Individuals who are certified at the BCBA level are practitioners who provide behavior management services, at home and at school, to students, families, and schools. The LMU-BCBA is a 4-term (18-month long), 7-course graduate-level certification program in behavior analysis. This has increased from 6 to 7 courses to comply with the new BACB requirements implemented for January 2022. While this program provides the preparation to take the BCBA National Exam and receive your BCBA, you will need to fulfill 1,500 (2,000 if you apply for the exam after January 2022) clinical hours prior to the exam to fulfill the Behavior Analysis Certification Board's (BACB) requirements to sit for the exam; therefore, you will not receive a BCBA at the completion of this course sequence unless you complete the additional requirements identified by the BACB. The program faculty hold current BCBA certification. **This is a fully online program.**

Program Outcomes

As a result of this program, candidates will:

- Identify and apply principles and concepts of Applied Behavior Analysis
- Conduct and analyze a Functional Behavior Assessment
- Design behavior intervention strategies and behavior change programs based on theoretical foundations and principles of Applied Behavior Analysis and Functional Behavior Analysis data
- Evaluate behavior intervention strategies and behavior change programs based on theoretical foundations and principles of Applied Behavior Analysis
- Understand limitations of behavior intervention strategies and behavior change programs based on theoretical foundations and principles of Applied Behavior Analysis
- Identify ethical challenges in behavior analytic application and apply to the Behavior Analysis Certification Board (BACB) Ethical Code of Conduct to those situations

Program Admissions Requirements

- Graduate Application
- 3 Letters of Recommendation attesting to academic and personal qualifications
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Master's degree in either Education, Psychology or Applied Behavior Analysis and conferral

from an accredited institution must be verified on transcript

- Technology Form
- Statement of Intent addressing:
  - Background and interest in the field;
  - Previous work experience with students and adults with behavior challenges, including but not limited to, those with a diagnosis of ASD;
  - An understanding and the implicit agreement with the LMU Mission Statement and SOE Conceptual Framework (REAL)
- A cumulative GPA of 3.0, or a 3.05 in the last 60 graduate-level courses
- For applicants who completed a graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

## Degree Requirements

### Required Coursework

- EDSP 5500 Concepts and Principles of Applied Behavior Analysis *3 semester hours*
- EDSP 5600 Philosophical Assumptions of Applied Behavior Analysis *3 semester hours*
- EDSP 5501 Behavior Assessment and Measurement *3 semester hours*
- EDSP 5502 Behavior Change I: Reinforcement, Stimulus Control, Teaching New Behaviors and Supervision *3 semester hours*
- EDSP 5503 Behavior Change II: Verbal Behavior, Preventing and Reducing Unwanted Behaviors, and Supervision *3 semester hours*
- EDSP 5504 Experimental Design and Data Interpretation *3 semester hours*
- EDSP 5505 Ethical Compliance and Professionalism *3 semester hours*

Total Semester Hours: 21

## Education Specialist

### School Psychology, Ed.S. with Educational Psychology, M.A. and Pupil Personnel Services Credential, P.P.S.

#### Contact Information

**Program Director:** Brian P. Leung

**Associate Director:** Catherine M. Foote

**Academic Advisor:** Danielle West

#### Introduction

The LMU School Psychology program is approved by both the California Commission for Teacher Credentialing (CCTC) and the National Association for School Psychology (NASP) accrediting agencies. Program content is informed by the School of Education Conceptual Framework, and social justice is a strong emphasis of the program. Almost all courses have service learning assignments in which candidates learn and serve in schools and in the greater community. Field placements in the schools are required during year two (practicum) and year three (internship). Passing the Praxis exam in School Psychology at the

program cutoff score (147) is required for graduation. This is also the national cutoff score that will result in candidates becoming Nationally Certified School Psychologists (NCSP). After two years in the schools, program graduates will qualify to sit for the Licensed Educational Psychologist (LEP) exam administered by the California Board of Behavioral Sciences. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this training program, students will:

- Provide a comprehensive range of services to schools
- Practice with culturally relevant and responsive practice to help close the achievement gap among various diverse student groups
- Be lifelong learners and always mindful of service to others

### Program Admissions Requirements

- Graduate Application
- An undergraduate major or minor in Psychology, or major in a closely related field (e.g., child development, education) is required for admission. Applicants whose undergraduate major is other than psychology may apply but are required to have completed 18 selected undergraduate semester hours (6 courses) in psychology before beginning the program.
- 3 Letters of Recommendation
  - 1 must be from either:
    - A practicing School Psychologist, OR
    - Director of Psychological Services, OR
    - Director of Pupil Personnel Services, OR
    - Licensed psychologist familiar with the role of a School Psychologist.
- 2 sealed, official transcripts from all colleges/universities attended
- Original GRE score report
- Technology Requirement Form
- CCTC Certificate of Clearance (COC)
- A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- CBEST by the end of the first fall semester
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)
- Statement of Intent, addressing:
  - Why you want to be a school psychologist
  - The characteristics you possess that you feel will make you an effective school psychologist
  - Your commitment to preparing yourself to be an effective school psychologist (e.g., time and effort devoted to an internship, involvement in professional organizations, etc.)
  - A summary of your experience with school-aged children, particularly those from culturally diverse backgrounds and those with disabilities
  - How well your values align with the School of Education's REAL (Respect, Educate, Advocate, Lead) model.

## Degree Requirements--M.A. in Educational Psychology, Ed.S. in School Psychology

### Required Coursework

- EDSP 6500 Foundations of Ethical, Professional, and Legal Practice in School Psychology 3 *semester hours*
- EDSP 6504 Statistics, Research Methods, and Program Evaluation 3 *semester hours*
- EDSP 6506 Seminar in Counseling and Interpersonal Relations 3 *semester hours*
- EDSP 6508 Student Diversity and Exceptionality 3 *semester hours*
- EDSP 6510 Seminar in Instruction and Learning 3 *semester hours*
- EDSP 6512 Group Counseling and Intervention with Children and Adolescents 3 *semester hours*
- EDSP 6513 Advanced Counseling Seminar I 2 *semester hours*
- EDSP 6514 Family, School, and Community Collaboration 3 *semester hours*
- EDSP 6515 Advanced Counseling Seminar II 2 *semester hours*
- EDSP 6516 Seminar in Motivation and Achievement 2 *semester hours*
- EDSP 6518 Assessment and Intervention for Cognitive and Learning Problems I 3 *semester hours*
- EDSP 6520 Prevention, Intervention, and Consultation 3 *semester hours*
- EDSP 6522 Assessment and Intervention for Cognitive and Learning Problems II 3 *semester hours*
- EDSP 6524 Practicum in School Psychology I 2 *semester hours*
- EDSP 6525 Practicum in School Psychology II 2 *semester hours*
- EDSP 6526 Social Responsibility, Violence Prevention, and Crisis Intervention in Schools 3 *semester hours*
- EDSP 6528 Social, Emotional, and Behavioral Assessment 3 *semester hours*
- EDSP 6530 Treatment of Emotional and Behavioral Disorders in Children and Adolescents 3 *semester hours*

Total (M.A./Ed.S.): 49 semester hours

## Credential Requirements--P.P.S. Credential for School Psychology

### Required Coursework

- EDSP 6532 Seminar in School Systems and Psychological Services 3 *semester hours*
- EDSP 6534 Advanced Assessment and Positive Behavioral Intervention 3 *semester hours*
- EDSP 6536 Special Issues and Best Practices in School Psychological Services 2 *semester hours*
- EDSP 6538 Supervised Internship in School Psychology I 3 *semester hours*
- EDSP 6540 Supervised Internship in School Psychology II 3 *semester hours*
- EDSP 6995 Comprehensive Examination 0 *semester hours*

Total (P.P.S.): 14 semester hours

### Additional Requirements:

- Year 2 Portfolio
- Year 3 Portfolio

Total (Combined M.A. Educational Psychology/Ed.S. School Psychology): 63 semester hours

## **Masters**

## **Counseling, M.A.**

## Contact Information

**Program Director:** Sheri A. Atwater

**Associate Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

## Introduction/Overview

The Master of Arts in Counseling program prepares candidates to succeed as a counselor in diverse educational, community, private, and non-profit settings. This is a 60-semester-hour program designed for those who intend to pursue Licensed Professional Clinical Counselor (LPCC) certification. Graduates of the M.A. in Counseling program are eligible to apply to the Board of Behavioral Sciences (BBS) for Associate Professional Clinical Counselor (APCC) status. As an APCC, graduates then complete 3,000 hours of work and pass two national exams to receive LPCC status. There are two specialization options for LPCC eligibility: (1) Clinical Mental Health and (2) School Counseling with Pupil Personnel Services (PPS) Credential.

## Program Outcomes

As a result of this training, students will:

- Apply effective counseling strategies to meet the diverse academic, social, emotional, and career needs of clients
- Counsel clients individually using appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Counsel clients in group settings using group facilitation skills derived from appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Evaluate clients using suitable/pertinent assessment measures based on the purpose of measuring instrument and identified counseling need
- Implement prevention and intervention strategies for diverse clients based on scientific research and program evaluations
- Consult effectively with clients, their families, and support systems; with peers and colleagues; and with appropriate clinical staff in order to improve client functioning
- Exemplify the main dimensions of personal growth and dispositions central to successful counseling, including self-awareness, self-care, and self-reflection
- Exhibit and defend the ethical codes related to the specific field of counseling within which one works (e.g., ACA Code of Ethics, LPCC ethical codes)
- Demonstrate advanced intervention techniques in the areas of addictions, trauma, community psychology, and human sexuality to address the diverse needs of clinical populations

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Bachelor's degree conferral must be verified on transcript
- Technology Form
- CCTC Certificate of Clearance (COC)
- California Basic Education Skills Test (CBEST) official score report

- For those seeking the School Counseling with Pupil Personnel Services (PPS) Credential specialization option
- Statement of Intent addressing:
  - The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;
  - In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;
  - The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, a time when it is difficult and ill-advised to work full-time, and becoming active in related professional organizations (e.g., CALPCC, CASC, ASCA);
  - The applicant's related work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);
  - The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;
  - A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

#### Required Coursework

- EDSP 6362 Counseling Theories and Techniques *3 semester hours*
- EDSP 6365 Research Methodology and Statistics *3 semester hours*
- EDSP 6368 Career Counseling and Educational Planning *3 semester hours*
- EDSP 6376 Crisis and Trauma Counseling *3 semester hours*
- EDSP 6377 Multicultural Counseling *3 semester hours*
- EDSP 6378 Group Counseling *3 semester hours*
- EDSP 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*
- EDSP 6382 Ethical and Legal Issues *3 semester hours*
- EDSP 6386 Culturally Responsive Counseling with Individuals *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDSP 6391 Foundations of Counseling *3 semester hours*
- EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
- EDSP 6392 Psychopharmacology *3 semester hours*
- EDSP 6393 Assessment, Appraisal, and Diagnosis *3 semester hours*
- EDSP 6394 Helping Skills *3 semester hours*
- EDSP 6395 Addictions Counseling: Foundations of Wellness *3 semester hours*
- EDSP 6396 Human Sexuality *3 semester hours*
- EDSP 6400 Community Psychology: Theories and Practice *3 semester hours*
- EDSP 6995 Comprehensive Examination *0 semester hours* (fee based, \$300)
- Fieldwork courses pertaining to the candidate's specialization:

#### Clinical Mental Health Specialization:

- EDSP 6940 Fieldwork in Mental Health Counseling I *3 semester hours*
- EDSP 6945 Fieldwork in Mental Health Counseling II *3 semester hours*

#### School Counseling Specialization:

- EDSP 6970 Fieldwork in School Counseling I *3 semester hours*
- EDSP 6980 Fieldwork in School Counseling II *3 semester hours*

Total: 60 semester hours

#### Additional Requirements

- 100 completed hours of practical experience prior to enrollment in Fieldwork courses
- Candidate Disposition evaluations
  - (1) BY END OF FIRST SEMESTER: **One Self-Assessment Disposition Form AND One Faculty-Assessment Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director no later than the **end of the candidate's first semester in the Program.**
  - (2) BY END OF EDSP 6386 Culturally Responsive Counseling with Individuals: **One Self-Assessment Disposition Form AND One Faculty-Assessment\* Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director upon your completion of EDSP 6386 Culturally Responsive Counseling with Individuals. \*This Faculty Assessment MUST be completed by the candidate's EDSP 6386 Instructor.
- Fieldwork I Application form
- Pre-Counseling Documentation Log
- Counseling Organization Membership
- Proof of Liability Insurance with Counseling Organization
- Fieldwork Planning Document
- Approval of Fieldwork Site
  - Candidates seeking the Pupil Personnel Services (PPS) Credential must complete their fieldwork at an approved school site.
- Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:
  - EDSP 6392 Psychopharmacology *3 semester hours*
  - EDSP 6395 Addictions Counseling: Foundations of Wellness *3 semester hours*
  - EDSP 6396 Human Sexuality *3 semester hours*
  - EDSP 6400 Community Psychology: Theories and Practice *3 semester hours*
  - EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
  - Fieldwork courses pertaining to the candidate's specialization:
    - Clinical Mental Health Specialization:
      - EDSP 6940 Fieldwork in Mental Health Counseling I *3 semester hours*
      - EDSP 6945 Fieldwork in Mental Health Counseling II *3 semester hours*
    - School Counseling Specialization:
      - EDSP 6970 Fieldwork in School Counseling I *3 semester hours*
      - EDSP 6980 Fieldwork in School Counseling II *3 semester hours*
- All coursework must be completed within 5 years.

## Guidance and Counseling, M.A.

## Contact Information

**Program Director:** Sheri A. Atwater

**Assistant Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

## Introduction

The Master of Arts in Guidance and Counseling program is a 41-semester-hour program. It is designed for those who want a rigorous graduate Counseling program but are not planning to apply for either the Licensed Professional Clinical Counselor (LPCC) licensure or for the California Pupil Personnel Services (PPS) credential. It is ideal for candidates interested in working in higher education settings in positions such as college counselors or advisors. Should a candidate in this track later wish to pursue the M.A. Counseling degree with one of its associated specializations, most of the coursework taken in the M.A. in Guidance and Counseling program will apply. Please note: Returning to add the PPS credential post-graduation must be done within five (5) years.

## Program Outcomes

As a result of this training program, students will:

- Apply effective counseling strategies to meet the diverse academic, social, emotional, and career needs of students in post-secondary institutions
- Counsel students in post-secondary institutions individually using appropriate theoretical approaches to address students' academic readiness, language proficiency, cultural background, and individual development
- Counsel students in post-secondary institutions in group settings using group facilitation skills and appropriate theoretical approaches to address students' academic readiness, language proficiency, cultural background, and individual development
- Evaluate post-secondary students using suitable/pertinent assessment measures based on the purpose of the measuring instrument and identified counseling need
- Implement prevention and intervention strategies for diverse students in post-secondary institutions based on scientific research and program evaluations
- Consult effectively with students in post-secondary institutions; with peers and colleagues; and with appropriate staff in order to improve student functioning
- Exemplify the main dimensions of personal growth and dispositions central to successful counseling, including self-awareness, self-care, and self-reflection
- Apply and implement the ethical codes related to the specific field of counseling within which one works (e.g., ACA Code of Ethics, ASCA ethical standards, LPCC ethical codes)

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Bachelor's degree conferral must be verified on transcript
- Technology Form
- CCTC Certificate of Clearance (COC)
- Statement of Intent addressing:
  - The characteristics the applicant possesses that he or she thinks will make him or her an

- effective counselor;
- In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;
- The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, a time when it is difficult and ill-advised to work full-time, and becoming active in related professional organizations (e.g., CASC, ASCA);
- The applicant's related work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);
- The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;
- A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

## Degree Requirements

### Required Coursework

- EDSP 6362 Counseling Theories and Techniques *3 semester hours*
- EDSP 6365 Research Methodology and Statistics *3 semester hours*
- EDSP 6368 Career Counseling and Educational Planning *3 semester hours*
- EDSP 6376 Crisis and Trauma Counseling *3 semester hours*
- EDSP 6377 Multicultural Counseling *3 semester hours*
- EDSP 6378 Group Counseling *3 semester hours*
- EDSP 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*
- EDSP 6382 Ethical and Legal Issues *3 semester hours*
- EDSP 6386 Culturally Responsive Counseling with Individuals *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDSP 6391 Foundations of Counseling *3 semester hours*
- EDSP 6394 Helping Skills *3 semester hours*
- EDSP 6972 Fieldwork in Guidance Counseling *1 TO 2 semester hours* (enroll in 2 semester hours)
- EDSP 6995 Comprehensive Examination *0 semester hours* (fee-based, \$300)

One of the following two elective courses:

- EDLA 6711 Foundations of Higher Education *3 semester hours*
- EDLA 6713 Theories of College Student Development *3 semester hours*

Total: 41 semester hours

### Additional Requirements

- Candidate Disposition Forms
  - (1) BY END OF FIRST SEMESTER: **One Self-Assessment Disposition Form AND One**

**Faculty-Assessment Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director no later than the **end of the candidate's first semester in the Program.**

- (2) BY END OF EDSP 6386 Culturally Responsive Counseling with Individuals: **One Self-Assessment Disposition Form AND One Faculty-Assessment\* Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director upon your completion of EDSP 6386 Culturally Responsive Counseling with Individuals.

\*This Faculty Assessment MUST be completed by the candidate's EDSP 6386 Instructor.

- Pre-Counseling Documentation Log
- Counseling Organization Membership
- Proof of Liability Insurance with Counseling Organization
- Approval of Site
- Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:
  - EDSP 6972 Fieldwork in Guidance Counseling 2 *semester hours*
- All coursework must be completed within 5 years.

## **School Counseling, M.A. with Pupil Personnel Services Credential, P.P.S.**

### Contact Information

**Program Director:** Sheri A. Atwater

**Assistant Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

### Introduction

The Master of Arts in School Counseling program is a 48-semester-hour combined degree/credential program. It is designed for candidates who plan to serve as School Counselors in a California K-12 public or private school setting. As a combined program, it incorporates the required courses and fieldwork experiences mandated by the California Commission on Teacher Credentialing (CCTC) for the Pupil Personnel Services (PPS) credential. As such, candidates in this program do not pursue other specializations. Graduates of this program are eligible to apply for the California PPS credential but not for licensure as a Licensed Professional Clinical Counselor (LPCC). The program leading to the School Counseling credential is approved by the State of California Commission on Teacher Credentialing and the National Council for the Accreditation of Teacher Education. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this training program, students will:

- Apply effective counseling strategies to meet the diverse academic, social, emotional, and career needs of PK-12 students using the ASCA model's four professional competencies: Foundations, Management, Delivery, and Accountability
- Counsel PK-12 students individually using appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Counsel PK-12 students in group settings using group facilitation skills derived from appropriate

theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development

- Evaluate PK-12 students using suitable/pertinent assessment measures based on the purpose of measuring instrument and identified counseling need
- Implement prevention and intervention strategies for diverse PK-12 students based on scientific research and program evaluations
- Consult effectively with school parents, teachers, staff, community members, peers, and colleagues to improve instruction for all PK-12 students
- Exemplify the main dimensions of personal growth and dispositions central to successful counseling, including self-awareness, self-care, and self-reflection
- Adhere to the specific ethical codes related to school counseling (e.g., ASCA ethical standards)
- Demonstrate advanced intervention techniques in school-based consultation, prevention, and intervention in order to address the diverse needs of the PK-12 student population

### Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Bachelor's degree conferral must be verified on transcript
- Technology Form
- CCTC Certificate of Clearance (COC)
- California Basic Education Skills Test (CBEST) official score report
- Statement of Intent addressing:
  - The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;
  - In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;
  - The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, a time when it is difficult and ill-advised to work full-time, and becoming active in related professional organizations (e.g., CASC, ASCA);
  - The applicant's related work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);
  - The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;
  - A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

### Degree Requirements

## Required Coursework

- EDSP 6362 Counseling Theories and Techniques *3 semester hours*
- EDSP 6365 Research Methodology and Statistics *3 semester hours*
- EDSP 6368 Career Counseling and Educational Planning *3 semester hours*
- EDSP 6376 Crisis and Trauma Counseling *3 semester hours*
- EDSP 6377 Multicultural Counseling *3 semester hours*
- EDSP 6378 Group Counseling *3 semester hours*
- EDSP 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*
- EDSP 6382 Ethical and Legal Issues *3 semester hours*
- EDSP 6386 Culturally Responsive Counseling with Individuals *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDSP 6391 Foundations of Counseling *3 semester hours*
- EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
- EDSP 6393 Assessment, Appraisal, and Diagnosis *3 semester hours*
- EDSP 6394 Helping Skills *3 semester hours*
- EDSP 6970 Fieldwork in School Counseling I *3 semester hours*
- EDSP 6980 Fieldwork in School Counseling II *3 semester hours*
- EDSP 6995 Comprehensive Examination *0 semester hours* (fee based, \$300)

Total: 48 semester hours

## Additional Requirements

- Candidate Disposition Forms
  - (1) BY END OF FIRST SEMESTER: **One Self-Assessment Disposition Form AND One Faculty-Assessment Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director no later than the **end of the candidate's first semester in the Program.**
  - (2) BY END OF EDSP 6386 Culturally Responsive Counseling with Individuals: **One Self-Assessment Disposition Form AND One Faculty-Assessment\* Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director upon your completion of EDSP 6386 Culturally Responsive Counseling with Individuals.  
\*This Faculty Assessment MUST be completed by the candidate's EDSP 6386 Instructor.
- Fieldwork I Application form
- Pre-Counseling Documentation Log
- Counseling Organization Membership
- Proof of Liability Insurance with Counseling Organization
- Fieldwork Planning Document
- Approval of Fieldwork Site
  - Candidates seeking the Pupil Personnel Services (PPS) Credential must complete their fieldwork at an approved school site.
- Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:
  - EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
  - EDSP 6980 Fieldwork in School Counseling II *3 semester hours*
  - EDSP 6970 Fieldwork in School Counseling I *3 semester hours*

## Credential Requirements

- To apply for the Pupil Personnel Services (PPS) Credential, candidates must complete their fieldwork at an approved school site.
- All above-listed coursework and program requirements are needed to be eligible for credential recommendation.
- All coursework must be completed within 5 years.

## Teaching and Learning

### Faculty

Interim Chairperson: Victoria Graf

Professors: Marta Baltodano, Victoria Graf, Yvette Lapayese, Edmundo Edward F. Litton, Francisco Ramos, Marta Sanchez, Ani Shabazian

Associate Professors: Ernesto Colin, Ignacio Higareda, Philip Molebash

Clinical Associate Professors: Annette Pijuan Hernandez

Clinical Assistant Professors: Morgan Friedman, Maryann Krikorian, Jody Moody

Affiliate Faculty: Antonio Felix, Shannon Tabaldo

### Contact Information

**Location:** University Hall 2600

**Phone:** 310.568.6654

**Fax:** 310.338.1976

**Program Coordinator/Assistants:** Aracelli Moraity, Ryan Yandell

**Email:** Aracelli.Moraity@lmu.edu, Ryan.Yandell@lmu.edu

### Introduction

The Department of Teaching and Learning offers a variety of credential and graduate programs that prepare excellent teachers with the knowledge and skills to educate culturally and linguistically diverse populations in PK-12 public or private schools. Accredited by the California Commission on Teacher Credentialing and the Council for the Accreditation of Educator Preparation, we provide professional preparation in research-based exemplary practices that include the requisite skills, knowledge, and dispositions required to ensure equity and excellence in education. As a result of our Masters and credential programs, graduates are highly regarded by their colleagues and leaders in the schools, districts, and communities in which they serve. Teacher preparation and professional development options in the Department promote and respond to the Jesuit and Marymount traditions and put to work the core tenets of the School of Education's Conceptual Framework.

### Certificate

### Reading and Literacy Added Authorization

Contact Information

**Program Director:** Morgan Friedman

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The Reading and Literacy Added Authorization (RLAA) allows a candidate who currently holds a teaching credential to assess student reading and provide reading instruction in response to those assessments. Holders of the RLAA are also authorized to develop, implement, and adapt the reading content curriculum and assist classroom teachers in these areas at one or more school sites. This program may be taken concurrently with the Reading Instruction, M.A. program or as a stand-alone program.

### Program Outcomes

As a result of this program, candidates will:

- Apply current evidence-based and developmentally appropriate strategies in the following areas: oral language development, word analysis, fluency, vocabulary development, listening and reading comprehension, and written language development
- Demonstrate mastery of basic principles of assessment by evaluating the needs of all students through the use of formative and summative assessment
- Implement appropriate literacy learning strategies using differentiated instruction
- Demonstrate support of excellence in teaching reading and provide appropriate intervention strategies

### Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Copy of valid California 2042 Preliminary Teaching Credential
- Interview with Program Director/Assistant Director
- Verification of Experience Form
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

### Program Requirements

#### Required Coursework

- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*

Total: 15 semester hours

## Additional Requirement

- RLAA Portfolio

## Bilingual Authorization

### Contact Information

**Program Director:** Marta Sanchez

**Academic Advisor:**

- Graduate: Terri Taylor
- Undergraduate: Michael Cersosimo

### Introduction

The Bilingual Certificate Program offers candidates the opportunity to add a Bilingual Authorization in Spanish, Cantonese, or Mandarin to their existing California 2042 Multiple Subjects or Single Subject Preliminary credential. Candidates obtain the Bilingual Authorization upon completing the required three 3-semester-hour courses listed below. Candidates must also pass the CSET LOTE Test III. The option to add the Bilingual Authorization is only viable for candidates admitted to, and enrolled in, either the LMU School of Education California 2042 Multiple Subjects or Single Subject Preliminary credential programs.

### Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools
- Address issues related to bicultural identity development in the culture of concentration

### Program Admissions Requirements

In order to add the Bilingual Authorization to an existing credential, candidates must:

- Demonstrate language proficiency in Spanish, Cantonese, or Mandarin prior to starting their Bilingual Authorization program.
- Candidates can meet this language requirement by one of the following routes:
  - Providing an official transcript showing completion of a Spanish/Cantonese/Mandarin major or minor
  - Passing an approved language examination,
  - Submitting a transcript showing extensive schooling in a Spanish/Chinese-speaking country, or
  - Showing proof of appropriate Peace Corps experience in a Spanish- or Chinese-speaking country.
- Interview with the Director of Bilingual Education program
- Complete appropriate forms as provided by program and advisor

### Program Requirements

## Graduate Required Coursework

### Bilingual Authorization in Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

### Bilingual Authorization in Mandarin or Cantonese

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 9 semester hours

## Undergraduate Required Coursework

### Bilingual Authorization in Spanish

- EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*
- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*

### Bilingual Authorization in Mandarin or Cantonese

- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*
- EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*

Total: 9 semester hours

## **Teaching English to Speakers of Other Languages (TESOL) Certificate (On Hiatus)**

### Contact Information

**Program Director:** Marta E. Sanchez

### Introduction/Overview

The Teaching English to Speakers of Other Languages (TESOL) Certificate program will provide candidates with the knowledge and skills necessary to meet the needs of non-English speakers. The program consists of 9 units of required coursework offered completely online (100%). With the consent of the Program Director, some of the coursework can be applied to an LMU SOE M.A. program. The program will target new TESOL teachers seeking to work with English Learners, provide seasoned teachers of English Learners with enhanced skills and expertise, and offer teachers from foreign countries opportunities to gain mastery in teaching English to English Learners in their home countries.

### Program Outcomes

At the end of this program, candidates will:

- Use the components of language, and language as an interactive system, to create instructional plans

that integrate instructional strategies for teaching the English language systems to English Language Learners.

- Design lessons and teach using a variety of concepts about culture, students' backgrounds, acculturation, assimilation, biculturalism, and the dynamics of prejudice, racism, and linguicism.
- Plan and design standards-based English as a Second Language (ESL) and content instruction, which include appropriate language levels, integrating students' cultural backgrounds, and multilevel activities with flexible grouping and differentiated instruction to meet English Learner needs.

#### Program Admission Requirements

- Graduate Application
- TESOL Application
- Candidate Information Sheet
- 2 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity teaching English Learners.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent
- 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- Transcript evaluations for applicants who completed an undergraduate/graduate degree outside of the U.S.A.

#### Degree Requirements

##### Required Coursework

- EDUR 6221 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary, Secondary, and Adult Educators 3 *semester hours*
- EDES 5325 Curriculum and Instructional Leadership in a Bilingual Setting 3 *semester hours*

Total: 9 semester hours

##### Additional Requirements

All international candidates admitted to LMU's TESOL programs must complete the following by the end of their first semester in the program:

- Evidence of English language proficiency via TOEFL (minimum score of 80) or IELTS (minimum overall band core of 6.5) examination
- If student has not taken the TOEFL or IELTS examination, they will be required to take either exam with passing scores submitted in the first semester of the program. If a passing score is not submitted,

the student will need to take a leave of absence before continuing in the program and re-enter the following year.

## **Catholic Inclusive Education Certificate (On Hiatus)**

### Contact Information

**Program Director:** Victoria Graf

### Introduction/Overview

The Catholic Inclusive Education Certificate program will provide Catholic school educators, including teachers and administrators, with the knowledge and skills to effectively educate students with a wide range of abilities, including students with disabilities, in a Catholic elementary and high school.

### Program Outcomes

As a result of this program, candidates will:

- Know the various aspects of Catholic education as they relate to educating all children in the contemporary context of the Catholic Church, e.g., theological, historical, etc.
- Design evidence-based strategies, e.g., assessment and pedagogy, to meet the varying abilities of all students utilizing the framework of Universal Design for Learning (UDL) and Assistive Technology (AT)
- Implement Positive Behavior Support and Intervention Strategies (PBIS)
- Establish collaborative partnerships with families and other educators
- Demonstrate the competence required for Catholic Inclusive educators

### Program Admission Requirements

- Graduate application
- Statement of Intent
- Virtual interview
- 2 letters of recommendation
- One letter must be from the applicant's current employer
- Technology requirement form
- Professional resume
- 2 sealed, official transcripts for all colleges and/or universities attended
- Catholic School Program Contract/Agreement
- Local cohort applicants must provide a signed Title II Compliance form
- A cumulative undergraduate of 3.0 or 3.05 in the last 60 units, or a 3.0 in at least 9 graduate units required
- For applicants who completed an undergraduate/graduate degree outside of the USA:
  - Transcript evaluations
  - TOEFL or IELTS minimum score
- Verification of employment:
  - California cohort candidates must be employed by one of the Catholic dioceses or archdioceses
  - National or International online candidates must be employed by a Catholic school

### Program Requirements

## Required Coursework

- EDES 6441 Universally Designed Curriculum and Instruction and Assistive Technology *1 semester hours*
- EDES 6442 Socio-emotional Learning and Positive Behavior Support *3 semester hours*
- EDES 6443 Assessment and Instruction for Students with Varying Abilities *3 semester hours*
- EDES 6444 Practicum in Catholic Inclusive Education *2 semester hours*
- EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*

Total: 15 semester hours

## Additional Requirement

- Maintain a minimum overall GPA of 3.0 (B or higher in all courses)

## Credential

### Reading and Literacy Leadership Specialist Credential (On Hiatus)

#### Contact Information

**Program Director:** Morgan Freidman

**Academic Advisor:** Terri Taylor

#### Introduction/Overview

The Reading and Literacy Leadership Specialist Credential allows candidates to work as Reading Specialists in schools and to act in a leadership role in materials selection, program development, and professional development in reading and literacy at the school and district levels. Candidates who hold a current teaching credential may count their coursework towards the Reading Instruction M.A. based on the curriculum match. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

#### Program Outcomes

As a result of this program, candidates will:

- Create positive literacy environments to motivate and engage all learners using current technologies
- Take steps to serve as a leader to develop and maintain reading initiative at the school site or district level
- Collaborate with parents/families and community to enrich or reform the teaching of reading practices

#### Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Verification of Experience form

- Copy of valid California 2042 Preliminary Teaching Credential
- Proof of satisfying California's Basic Skill Requirement
- Interview with Program Director/Assistant Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6005 Resourcing and Implementing Technology for Effective Reading *3 semester hours*
- EDES 6351 Assessment in Reading Performance *3 semester hours*
- EDES 6352 Seminar: The Reading Professional *3 semester hours*
- EDES 6354 Reading Development and Instruction *3 semester hours*
- EDES 6355 Introduction to Reading Difficulties *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDES 6357 Diagnosis and Intervention in Reading--Practicum II *3 semester hours*
- EDES 6358 Research and Trends in Reading Education *3 semester hours*

One of the following:

- EDES 6008 Motivating All Readers in the Content Areas *3 semester hours* or
- EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee based)

Total: 33 semester hours

### Additional Requirements

- Written Comprehensive Exam
- PowerPoint Showcase
- RLLSC Portfolio

## Undergraduate Teacher Preparation--Elementary Education

### Contact Information

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Undergraduate Teacher Preparation pathway in Elementary Education is designed for undergraduate

students who are seeking teaching positions in grades K-5 or any self-contained classrooms in grades 6-8. The pathway fulfills all the requirements for a California Preliminary 2042 Multiple Subjects Teaching Credential. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

Students accepted into the University are not automatically accepted into the School of Education upon matriculation. Students must apply to the School of Education to enroll in the necessary coursework to earn a preliminary teaching credential. The program admissions requirements are listed below.

- Complete one of the following two prerequisite course combinations and maintain a GPA of 3.0 or better:
  - EDES 501 Teaching and Learning in Diverse Communities
  - EDES 502 Creating and Leading Effective Classroom Environments
  - or*
  - EDES 503 Language Theory and Pedagogy: Second Language Acquisition
  - EDES 504 Assessment to Inform Instruction for Diverse Students
- Attend a Mandatory Application Information Session
  - Contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Teacher Education Application form
- Candidate Information Sheet
- 3 Letters of Recommendation
  - 1 letter from an LMU Professor
  - 1 letter that speaks to the candidate's experience in working with children in the target age group
  - 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.
- Technology Requirement Form
- Statement of Intent
  - 1-2 pages, double spaced, addressing the following:
    - Why you want to go into teaching
    - Your personal values in reference to the School of Education's REAL conceptual framework

- 1 sealed official transcript from all colleges/universities attended (other than LMU)
- Verification of Experience form
- Unofficial LMU transcript (retrieved through PROWL)
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach (elementary school age)
- Proof of satisfying California's Basic Skill Requirement
  - Official CBEST passing scores or equivalent (SAT, ACT, etc.)
- Subject Matter Competency Exam (CSET) Plan of Action
  - Students must demonstrate mastery of the required subject matter by passing the Multiple Subject California Subject Matter Exam for Teachers (Multiple Subjects CSET). Results of the CSET are valid for five years.
- CTC Certificate of Clearance (COC)
- U.S. Constitution Requirement--Satisfied by one of the following:
  - Successful completion of approved LMU course
  - Completing an equivalent course at another institution. The course must be reviewed and approved by the School of Education. Candidate must present a course syllabus and official transcript.
- Interview with Academic Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

#### Program Requirements

#### Required Coursework

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 509 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 510 Elementary Teaching Seminar *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 522 Elementary Clinical Supervision 2 *1 semester hours*
- EDES 523 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 524 Elementary Clinical Supervision 4 *2 TO 5 semester hours*

Total: 32-35 semester hours

#### Additional Requirements

- All candidates must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 501 Teaching and Learning in Diverse Communities and EDES 502 Creating and Leading Effective Classroom Environments or EDES 503 Language Theory and Pedagogy: Second Language Acquisition and EDES 504 Assessment to Inform Instruction for Diverse Students.
- edTPA

- Professional Advising
- Official CSET Score Report
- Disposition Rubric
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential

## Undergraduate Teacher Preparation--Secondary Education

### Contact Information

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Undergraduate Teacher Preparation pathway in Secondary Education is designed for undergraduate students who are seeking teaching positions in grades 6-8 or 9-12 school settings that require teachers to teach in departments. The pathway fulfills all the requirements for a California Preliminary 2042 Multiple Subjects Teaching Credential.

The following Single Subject Preliminary credentials are offered:

- Art\*
- Biology\*
- English\*
- Chemistry
- Mathematics\*
- Music
- Physical Education
- Physics
- Social Science\*
- World Languages (including Spanish\*)
- Foundational Mathematics
- Foundational Science

Note: The (\*) denotes an undergraduate subject matter waiver program. Upon successful completion of the waiver program, students are waived from completing the California Subject Examinations for Teachers (CSET). The CTC has reviewed, approved, and deemed the program curriculum as equivalent to that of the CSET exam.

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

Students accepted into the University are not automatically accepted into the School of Education upon matriculation. Students must apply to the School of Education to enroll in the necessary coursework to earn a preliminary teaching credential. The program admission requirements are listed below.

- Complete one of the following two prerequisite course combinations and maintain a GPA of 3.0 or higher:
  - EDES 501 Teaching and Learning in Diverse Communities
  - EDES 502 Creating and Leading Effective Classroom Environments
  - or*
  - EDES 503 Language Theory and Pedagogy: Second Language Acquisition
  - EDES 504 Assessment to Inform Instruction for Diverse Students
- Attend a Mandatory Application Information Session
  - Contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Teacher Education Application form
- Candidate Information Sheet
- 3 Letters of Recommendation
  - 1 letter from an LMU Professor
  - 1 letter that speaks to the candidate's experience in working with children in the target age group
  - 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.
- Technology Requirement Form
- Statement of Intent
  - 1-2 pages, double spaced, addressing the following:
    - Why you want to go into teaching?
    - Your personal values in reference to the School of Education's REAL conceptual framework
- 1 sealed official transcript from all colleges/universities attended (other than LMU)
- Unofficial LMU transcript (retrieved through PROWL)
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach (middle school or high school age)
- Copy of valid California 2042 Preliminary Teaching Credential
- Proof of satisfying California's Basic Skill Requirement
  - Official CBEST passing scores or equivalent (SAT, ACT, etc.)

- Subject Matter Competency Exam (CSET) Plan of Action
  - Students must demonstrate mastery of the required subject matter by passing the Single Subject California Subject Matter Exam for Teachers (Single Subjects CSET) in the content area of the credential. Results of the CSET are valid for five years. Secondary candidates who major in their content area may also apply for a CSET waiver through their major.
- CTC Certificate of Clearance (COC)
- U.S. Constitution Requirement--Satisfied by one of the following:
  - Successful completion of approved LMU course
  - Completing an equivalent course at another institution. The course must be reviewed and approved by the School of Education. Candidate must present a course syllabus and official transcript.
- Interview with Academic Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

## Program Requirements

### Required Coursework

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*

One of the following courses that aligns with the subject area emphasis of the credential:

- EDES 512 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 515 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 516 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 517 Secondary Content Methodology for Teaching Art *3 semester hours*
  
- EDES 518 Secondary Teaching Seminar *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 534 Secondary Clinical Supervision 4 *2 TO 5 semester hours*

Total: 32-35 semester hours

### Additional Requirements

- All students must complete the Certificate of Clearance and submit a TB test (within the last 12

months) before receiving permission to enroll in EDES 501 Teaching and Learning in Diverse Communities and EDES 502 Creating and Leading Effective Classroom Environments or EDES 503 Language Theory and Pedagogy: Second Language Acquisition and EDES 504 Assessment to Inform Instruction for Diverse Students. These documents are required for participation in clinical practice.

- edTPA
- Professional Advising
- Official CSET Score Report
- Disposition Rubric
- Culminating Fieldwork Requirements
- Exit Interview
- Application for Credential

## **Undergraduate Teacher Preparation--Special Education**

### Contact Information

**Interim Academic Program Director:** Victoria Graf

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Undergraduate Teacher Preparation pathway in Special Education is offered through the School of Education and is designed for undergraduate students who are seeking teaching positions in school settings as Education Specialists. The pathway fulfills all the requirements for a California Preliminary Education Specialist Mild/Moderate Teaching Credential. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Apply knowledge of non-biased, evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions

### Program Admission Requirements

Students accepted into the University are not automatically accepted into the School of Education upon matriculation. Students must apply to the School of Education to enroll in the necessary coursework to earn a preliminary teaching credential. The program admission requirements are listed below.

- Attend a Mandatory Application Information Session
  - Contact the School of Education Enrollment Management Assistant Director to attend an information session. Applicants will receive an information packet that includes all application

materials and instructions.

- Teacher Education Application form
- Candidate Information Sheet
- 3 Letters of Recommendation
  - 1 letter from an LMU Professor
  - 1 letter that speaks to the candidate's experience in working with children in the target age group
  - 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.
- Technology Requirement Form
- Statement of Intent
  - 1-2 pages, double spaced, addressing the following:
    - Why you want to go into teaching
    - Your personal values in reference to the School of Education's REAL conceptual framework
- 1 sealed official transcript from all colleges/universities attended (other than LMU)
- Verification of Experience form
- Unofficial LMU transcript (retrieved through PROWL)
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach (ages 5-13)
- Proof of satisfying California's Basic Skill Requirement
- Official CBEST passing scores or equivalent (SAT, ACT, etc.)
- Subject Matter Competency Exam (CSET) Plan of Action
  - Students must demonstrate mastery of the required subject matter by passing the Multiple Subject California Subject Matter Exam for Teachers (Multiple Subjects CSET). Results of the CSET are valid for only five years.
- CTC Certificate of Clearance (COC)
- U.S. Constitution Requirement--Satisfied by one of the following:
  - Successful completion of approved LMU course
  - Completing an equivalent course at another institution. The course must be reviewed and approved by the School of Education. Candidate must present a course syllabus and official transcript.
- Interview with Academic Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

## Program Requirements

### Required Coursework

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*

One of the following courses in alignment with content area and setting:

- EDES 508 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*

One of the following courses in alignment with content area and setting:

- EDES 509 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 512 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 515 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 516 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 517 Secondary Content Methodology for Teaching Art *3 semester hours*
  
- EDSP 444 Observation and Participation in General and Special Education Programs *3 semester hours*
- EDSP 453 Introduction to the Study of Disability and Special Education *3 semester hours*
- EDSP 454 Major Issues and Foundations of Special Education *2 semester hours*
- EDSP 455 Development of IEPs for Students with Exceptional Needs *1 semester hours*
- EDSP 427 Creating Effective Classrooms in Diverse Settings *3 semester hours*
- EDSP 436 Creating Collaborative Partnerships *3 semester hours*
- EDSP 475 Teaching and Assessing Students with Mild/Moderate Disabilities *3 semester hours*
- EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities *6 semester hours*
- EDCE 459 Student Teaching Seminar *3 semester hours*

Total: 47-50 semester hours

#### Additional Requirements

- All students must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 503 Language Theory and Pedagogy: Second Language Acquisition. These documents are required for participation in in clinical practice.
- edTPA
- Professional Advising
- Official CSET Score Report
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential

## **Preliminary 2042 Multiple Subject Credential Intern Pathway Program**

Contact Information

**Program Director:** Jody Moody

**CAST and PLACE Corps Program Director:** Antonio Felix

**Assistant Director (L.A. Partnerships):** Natasha D'Costa

## **Assistant Director (Northern California Partnerships):** Stephanie Serventi

Non-Cohort Academic Advisor: Terri Taylor

### Introduction

The Preliminary 2042 Multiple Subject Credential Intern Pathway program is designed for full-time teachers of record currently in a credential-appropriate placement within grades K-5 or any self-contained classroom in grades 6-8 in either a public or private school. This program serves multiple in-service partnership programs include, but are not limited to, TFA, CAST, PLACE Corps, Green Dot, KIPP, PUC, Wonderful, and Rocketship. Candidates meeting additional state requirements may be eligible for an Early Completion Option (ECO) and should inquire with their Program Director about the requirements. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Employ pedagogical skills and strategies for subject matter-specific instruction
- Monitor student learning throughout instruction/instructional sequences at an acceptable level
- Design and employ assessments, and analyze data to improve instruction and student learning at an acceptable level
- Differentiate instruction in order to make content accessible for all learners at an acceptable level
- Enlist students as active participants in instruction and learning at an acceptable level
- Use strategies that are evidence-based and developmentally appropriate at an acceptable level
- Support English Learners and Speakers of Non-Standard English in their English language development and subject matter acquisition at an acceptable level
- Build individual and whole-class profiles to facilitate instructional planning and delivery at an acceptable level
- Plan comprehensive and relevant subject-matter instruction based on state standards and effectively utilize all instructional time at an acceptable level
- Create a positive climate for learning by establishing a physically, socially, and emotionally safe classroom environment for her/his students at an acceptable level
- Fulfill professional, legal, and ethical obligations to their students and school community at an acceptable level
- Demonstrate continuous professional growth by employing reflective practices and seeking opportunities to increase skill and knowledge at an acceptable level
- Support Students with Special Needs across the curriculum at an acceptable level

### Program Admission Requirements\*

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form

- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency (i.e. CSET) per CTC guidelines
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

\*Specific partnerships may have alternate requirements different from those listed above. Contact appropriate Program Director for details and information about ECO.

#### Credential Requirements

#### Pre-Service Requirement

Prior to being recommended for an Intern credential, candidates need to complete these required courses to meet the 120 hours of pre-service requirement:

- EDUR 5021 Teaching English Learners
- EDUR 5023 Introduction to Teaching and Learning

Partnership candidates may use pre-approved training experiences and hours toward the pre-service requirement.

#### Required Coursework

- EDUR 5022 Transformative Pedagogy *1 semester hours*
- EDUR 5024 Critical Issues in Education *3 semester hours*
- EDUR 5025 Introduction to Elementary Methods and Literacy *3 semester hours*
- EDUR 5026 Development of Elementary Methods and Literacy *3 semester hours*
- EDUR 5027 Introduction to Assessment *1 semester hours*
- EDUR 5028 Advanced Assessment for Teachers *1 semester hours*
- EDUR 5051 Urban Education Field Experience 1 *2 semester hours*
- EDUR 5052 Urban Education Field Experience 2 *2 semester hours*

Total: 16 semester hours

#### Additional Requirements

- Application for Credential

- CPR certification
- Professional Advising
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirement
- Exit Interview
- Verification of Experience
- Reading Instruction Competence Assessment (RICA)
- edTPA passing score
- Private or Catholic Teacher-Practitioner: 10-20 observation hours in a public school setting required to meet the credential requirements
- Other partnership-specific requirements

## **Preliminary Education Specialist Credential Intern Pathway Program**

### Contact Information

**Interim Program Director:** Victoria Graf

**Assistant Director (L.A. Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

Non-Cohort Academic Advisor: Terri Taylor

### Introduction/Overview

The Preliminary Education Specialist Credential Intern Pathway program prepares candidates from a variety of academic backgrounds to work with students with Mild/Moderate Disabilities. Completion of the program results in a California preliminary Education Specialist Mild/Moderate credential and is designed for a full-time teacher of record currently in an appropriate credential placement within a public or private school. This program serves traditional public schools, charter schools, and non-public schools.

### Program Outcomes

As a result of this program, candidates will:

- Demonstrate reflective praxis through a Social Justice lens while actively engaging with all stakeholders included but not limited to persons listed in CTC Program Standard 4 (e.g., children, parents, educators, etc.)
- Exhibit knowledge and practice of professional, legal, and ethical standards to show evidence of engagement and educational practices to support all stakeholders
- Cultivate inclusive educational environments for all PK-12 diverse learners through the development and use of positive behavioral, social, and environmental supports for learning
- Apply knowledge of non-biased evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction

### Program Admission Requirements

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency (i.e. CSET) per CTC guidelines
- Certificate of Clearance (COC)
  - Fingerprint Clearance Form
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

\*Specific partnerships may have alternate requirements different from those listed above. Contact appropriate Program Director or SOE Admissions for details.

### Credential Requirements

#### Pre-Service

Candidates who will be recommended for an Intern credential must complete pre-service coursework and requirements in order to be eligible for credential recommendation. These requirements are met by completing approved online coursework offered in collaboration with the Kern County Office of Education as well as certain professional development opportunities. These online courses meet the 120 hours of pre-service requirement.

Teach for America candidates may be given pre-service hours from TFA Institute.

#### Required Coursework

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*

- EDUR 6613 Special Education Intern Seminar 1 *2 semester hours*
- EDUR 6614 Special Education Intern Fieldwork 1 *1 semester hours*
- EDUR 6615 Special Education Intern Seminar 2 *2 semester hours*
- EDUR 6616 Special Education Intern Fieldwork 2 *1 semester hours*
- EDES 8000 Health Education *1 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

Total: 23 semester hours

#### Additional Requirements

- Application for Credential
- CPR certification
- Professional Advising
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirement
- Exit Interview
- Verification of Experience
- Reading Instruction Competence Assessment (RICA)
- edTPA passing scores
- Private or Catholic Teacher-Practitioner: 10-20 observation hours in a public school setting required to meet the credential requirements
- Other partnership-specific requirements

## **Preliminary 2042 Single Subject Credential Intern Pathway Program**

### Contact Information

**Program Director:** Jody Moody

**CAST and PLACE Corps Program Director:** Antonio Felix

**Assistant Director (L.A. Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

Non-Cohort Academic Advisor: Terri Taylor

## Introduction/Overview

The Preliminary 2042 Single Subject Credential Intern Pathway program is designed for a full-time teacher of record currently in an appropriate credential placement within grades 9-12, or in 6-8 school settings. In-service teachers must select an option in one of the following areas:

- Art
- Biology
- Chemistry
- Earth Science
- English
- Health Sciences
- Industrial Technology
- Mathematics
- Music
- Physical Education
- Physics
- Social Science
- World Languages
- Foundational Mathematics
- Foundational Science

This program serves multiple in-service partnership programs include, but are not limited to, TFA, CAST, PLACE Corps, Green Dot, KIPP, PUC, Wonderful, and Rocketship. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this program, candidates will:

- Employ pedagogical skills and strategies for subject matter-specific instruction
- Monitor student learning throughout instruction/instructional sequences at an acceptable level
- Design and employ assessments, and analyze data to improve instruction and student learning at an acceptable level
- Differentiate instruction in order to make content accessible for all learners at an acceptable level
- Enlist students as active participants in instruction and learning at an acceptable level
- Use strategies that are evidence-based and developmentally appropriate at an acceptable level
- Support English Learners and Speakers of Non-Standard English in their English language development and subject matter acquisition at an acceptable level
- Build individual and whole-class profiles to facilitate instructional planning and delivery at an acceptable level
- Plan comprehensive and relevant subject-matter instruction based on state standards and effectively utilize all instructional time at an acceptable level
- Create a positive climate for learning by establishing a physically, socially, and emotionally safe classroom environment for her/his students at an acceptable level
- Fulfill professional, legal, and ethical obligations to their students and school community at an acceptable level

- Demonstrate continuous professional growth by employing reflective practices and seeking opportunities to increase skill and knowledge at an acceptable level
- Support Students with Special Needs across the curriculum at an acceptable level

#### Program Admission Requirements\*

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency (i.e. CSET) per CTC guidelines
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

\*Specific partnerships may have alternate requirements different from those listed above. Contact appropriate Program Director for details and information about ECO.

#### Credential Requirements

##### Pre-Service Requirement

Prior to being recommended for an Intern credential, candidates need to complete these required courses to meet the 120 hours of pre-service requirement:

- EDUR 5021 Teaching English Learners
- EDUR 5023 Introduction to Teaching and Learning

Partnership candidates may use pre-approved training experiences and hours toward the pre-service requirement.

##### Required Coursework

- EDUR 5022 Transformative Pedagogy *1 semester hours*

- EDUR 5024 Critical Issues in Education *3 semester hours*
- EDUR 5027 Introduction to Assessment *1 semester hours*
- EDUR 5028 Advanced Assessment for Teachers *1 semester hours*
- EDUR 5051 Urban Education Field Experience 1 *2 semester hours*
- EDUR 5052 Urban Education Field Experience 2 *2 semester hours*

One of the following courses in alignment with the candidate's credential subject area:

- EDUR 5029 Introduction to Secondary Mathematics and Literacy *2 semester hours*
- EDUR 5031 Introduction to Approaches to Teaching Science and Literacy *2 semester hours*
- EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy *2 semester hours*
- EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting *2 semester hours*
- EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting *2 semester hours*
- EDUR 5039 Introduction to Teaching Physical Education in a Departmentalized Setting *2 semester hours*
- EDUR 5041 Introduction to Teaching Industrial and Technology Education in a Departmentalized Setting *2 semester hours*
- EDUR 5043 Introduction to Teaching Music in a Departmentalized Setting *2 semester hours*
- EDUR 5045 Introduction to Teaching Health Science in a Departmentalized Setting *2 semester hours*
- EDUR 5047 Introduction to Teaching Art in a Departmentalized Setting *2 semester hours*

One of the following courses in alignment with the candidate's credential subject area:

- EDUR 5030 Advanced Secondary Mathematics and Literacy *2 semester hours*
- EDUR 5032 Contemporary Approaches to Teaching Science and Literacy *2 semester hours*
- EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy *2 semester hours*
- EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting *2 semester hours*
- EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting *2 semester hours*
- EDUR 5040 Contemporary Approaches to Teaching Physical Education in a Departmentalized Setting *2 semester hours*
- EDUR 5042 Contemporary Approaches to Teaching Industrial and Technology Education in a Departmentalized Setting *2 semester hours*
- EDUR 5044 Contemporary Approaches to Teaching Music in a Departmentalized Setting *2 semester hours*
- EDUR 5046 Contemporary Approaches to Teaching Health Science in a Departmentalized Setting *2 semester hours*
- EDUR 5048 Contemporary Approaches to Teaching Art in a Departmentalized Setting *2 semester hours*

Total: 14 semester hours

Additional Requirements

- Application for Credential

- CPR certification
- Professional Advising
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirement
- Exit Interview
- Verification of Experience
- Reading Instruction Competence Assessment (RICA)
- edTPA passing score
- Private or Catholic Teacher-Practitioner: 10-20 observation hours in a public school setting required to meet the credential requirements
- Other partnership-specific requirements

## Undergraduate Teacher Preparation - Bilingual Authorization

### Contact Information

**Academic Program Director:** Marta Sanchez

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cerososimo

### Introduction

The Bilingual Certificate Program offers candidates the opportunity to add a Bilingual Authorization in Spanish, Cantonese, or Mandarin to their existing California 2042 Multiple Subjects or Single Subject Preliminary credential. Candidates obtain the Bilingual Authorization upon completing the required three 3-semester-hour courses listed below. Candidates must also pass the CSET LOTE Test III. The option to add the Bilingual Authorization is only viable for candidates admitted to, and enrolled in, either the LMU School of Education California 2042 Multiple Subjects or Single Subject Preliminary credential programs.

### Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools
- Address issues related to bicultural identity development in the culture of concentration

### Program Admissions Requirements

In order to add the Bilingual Authorization to an existing credential, candidates must:

- Demonstrate language proficiency in Spanish, Cantonese, or Mandarin prior to starting their Bilingual Authorization program.
- Candidates can meet this language requirement by one of the following routes:
  - Providing an official transcript showing completion of a Spanish/Cantonese/Mandarin major or minor
  - Passing an approved language examination,

- Submitting a transcript showing extensive schooling in a Spanish/Chinese-speaking country, or
- Showing proof of appropriate Peace Corps experience in a Spanish- or Chinese-speaking country.
- Interview with the Director of Bilingual Education program.
- Complete appropriate forms as provided by program and advisor.

### Program Requirements

#### Bilingual Authorization in Spanish

- EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*
- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*

#### Bilingual Authorization in Mandarin or Cantonese

- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*
- EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*

Total: 9 semester hours

## Masters

### **Bilingual Education, M.A. with a Preliminary 2042 Multiple Subjects Credential and Bilingual Authorization**

#### Contact Information

**Program Director:** Marta Sanchez

**Academic Advisor:** Terri Taylor

#### Introduction/Overview

The Master of Arts program emphasizes the preparation of highly qualified elementary school teachers to conduct quality bilingual and intercultural education for a variety of student populations. This combined program fulfills all the requirements for the Master of Arts in Bilingual Education degree and the 2042 Multiple Subjects Preliminary Teaching Credential with a Bilingual Authorization in Spanish or Mandarin. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

#### Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education

- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools

#### Program Admission Requirements

- Minimum language competency in target language (Spanish or Mandarin)
- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Fingerprint Clearance Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

#### Program Requirements

##### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*

- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5108 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 5109 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 5110 Elementary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5122 Elementary Clinical Supervision 2 *1 semester hours*
- EDES 5123 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 5124 Elementary Clinical Supervision 4 *2 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

And the following three (3) courses in alignment with the target language of the applicant's bilingual authorization in either Spanish, Cantonese, or Mandarin:

#### Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

#### Mandarin or Cantonese

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 41 semester hours

#### Additional Requirements

- edTPA
- Professional Advising
- CSET Score Report
- Disposition Rubric
- Fieldwork Application
- CSET LOTE III
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## **Bilingual Education, M.A. with a Preliminary 2042 Secondary Credential and Bilingual Authorization**

Contact Information

**Program Director:** Marta Sanchez

**Academic Advisor:** Terri Taylor

## Introduction/Overview

The Master of Arts program emphasizes the preparation of highly qualified elementary school teachers to conduct quality bilingual and intercultural education for a variety of student populations. This combined program fulfills all the requirements for the Master of Arts in Bilingual Education degree and the 2042 Multiple Subjects Preliminary Teaching Credential with a Bilingual Authorization in Spanish, Mandarin, or Cantonese. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools

## Program Admission Requirements

- Minimum language competency in target language (Spanish or Mandarin)
- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Fingerprint Clearance Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement

- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5111 Content Literacy for Single Subject Teachers *3 semester hours*
- EDES 5118 Secondary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5132 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 5133 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 5134 Secondary Clinical Supervision 4 *2 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

One of the following courses that aligns with the subject area emphasis of the credential:

- EDES 5112 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 5113 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 5114 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 5115 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 5116 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 5117 Secondary Content Methodology for Teaching Art *3 semester hours*

And the following three (3) courses in alignment with the target language of the applicant's bilingual authorization in either Spanish, Mandarin, or Cantonese:

### Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

### Mandarin or Cantonese

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 41 semester hours

#### Additional Requirements

- edTPA
- Professional Advising
- CSET Score Report
- Disposition Rubric
- Fieldwork Application
- CSET LOTE III
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## Educational Studies, M.A.

#### Contact Information

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Terri Taylor

#### Introduction

This program provides experiences that are tailored to meet the general teaching and curriculum needs of teachers and other professionals. Candidates in this program do not earn nor require a teaching credential. The candidate for this degree selects coursework centered on her/his goals and objectives. This program allows a maximum flexibility in selecting a course of study for a Master's degree.

#### Program Outcomes

As a result of this program, candidates will:

- Develop an understanding of the interdisciplinary nature of education
- Develop and improve the critical thinking skills needed to apply the knowledge and skills learned through the program
- Acquire and develop the knowledge, skills, and perspectives to examine and act upon the ethical and social justice dimensions of schooling
- Demonstrate knowledge of how diverse issues impact educational theory and practice both qualitatively and quantitatively

#### Program Admission Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required

- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

#### Program Requirements

##### Required Coursework

- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDES 6103 Curriculum and Instructional Leadership *3 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDES 6900 Educational Studies Capstone Project *3 semester hours*
- 15 semester hours in elective coursework

Total: 30 semester hours

##### Additional Requirements

- 18 semester hours of the total program must be in coursework at the 6000-course level.
- All elective courses must be approved by the Program Director and in line with the candidate's goals.
- A maximum of two courses may be taken outside the School of Education with approval of the Program Director.

## **Special Education, M.A. with a Preliminary Education Specialist Credential--Traditional Program**

#### Contact Information

**Interim Program Director:** Victoria Graf

**Academic Advisor:** Terri Taylor

#### Introduction/Overview

The Master of Arts in Special Education combined with the Education Specialist credential prepares candidates from a variety of academic backgrounds to work with students with Mild/Moderate Disabilities. Completion of the program results in a Master of Arts degree in Special Education and a preliminary Education Specialist Mild/Moderate credential. The benefits of this combined M.A. and credential in the area of Special Education include:

- Acquisition of the knowledge and skills needed to create access to learning for students with Mild/Moderate disabilities
- Focus on removing barriers to learning for students with disabilities through the lens of social justice
- Authentic connection and experience working with students with disabilities
- Completion of a combined credential/M.A. program in two years.

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

#### Program Outcomes

As a result of this program, candidates will:

- Demonstrate reflective praxis through a Social Justice lens while actively engaging with all stakeholders, including but not limited to, persons listed in CTC Program Standard 4 (e.g., children, parents, educators, etc.)
- Exhibit knowledge and practice of professional, legal, and ethical standards to show evidence of engagement and educational practices to support all stakeholders
- Cultivate inclusive educational environments for all PK-12 diverse learners through the development and use of positive behavioral, social, and environmental supports for learning
- Apply knowledge of non-biased evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction

#### Program Admissions Requirements

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC), including fingerprinting
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

#### Program Requirements

#### Required Coursework

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*
- EDES 6608 Research Methods in Special Education *3 semester hours*
- EDES 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities *3 semester hours*
- EDES 6610 Special Topics in Special Education *3 semester hours*
- EDES 6611 Master's Professional Project *3 semester hours*
- EDES 8000 Health Education *1 semester hours*
- EDCE 5978 Directed Teaching with Students with Mild/Moderate Disabilities *6 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

And one of the following in alignment with target grade level for credential:

- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

Total: 35 semester hours

#### Additional Requirements

- Prerequisite Coursework
- Student Teaching Requirements
- Health Education for Educators
- Professional Advising
- CSET Score Report
- Disposition Rubric
- M.A. Coursework
- Fieldwork Application
- Culminating Fieldwork Requirements
- Comprehensive Examination
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## **Elementary Education, M.A. with a Preliminary 2042 Multiple Subjects Credential**

Contact Information

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The combined Multiple Subject Preliminary Credential and Master of Arts in Elementary Education program is designed for graduate students who are seeking teaching positions in grades K-5 or any self-contained classrooms in grades 6-8. The combined program fulfills all the requirements for the Master of Arts in Elementary Education degree and a California Preliminary 2042 Multiple Subjects Teaching Credential. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - Letters should be written by people in a supervisory or instructional capacity. They cannot be written by family members, peers or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead)
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)

- Proof of Satisfying the U.S. Constitution Requirement (or plan of action)
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

#### Program Requirements

#### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5108 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 5109 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 5110 Elementary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5122 Elementary Clinical Supervision 2 *1 semester hours*
- EDES 5123 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 5124 Elementary Clinical Supervision 4 *2 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

Total: 35 semester hours

#### Additional Program Requirements

- Professional Advising
- CSET Score Report
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirements
- edTPA
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## **Secondary Education, M.A. with a Preliminary 2042 Single Subject Credential**

#### Contact Information

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The combined Single Subject Preliminary Credential and Master of Arts in Secondary Education program is designed for graduate students who are seeking teaching positions in grades 6-8, or in 9-12 school settings that require teachers to teach in departments. The combined program fulfills all the requirements for the Master of Arts in Secondary Education degree and a California Preliminary 2042 Single Subjects Teaching Credential. The following Single Subject Preliminary credentials are offered:

- Art
- Biology
- Chemistry
- Earth Science
- English
- Mathematics
- Music
- Physical Education
- Physics
- Social Science
- World Languages
- Foundational Mathematics
- Foundational Science

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet

- 3 Letters of Recommendation
  - Letters should be written by people in a supervisory or instructional capacity. They cannot be written by family members, peers or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5111 Content Literacy for Single Subject Teachers *3 semester hours*
- EDES 5118 Secondary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5132 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 5133 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 5134 Secondary Clinical Supervision 4 *2 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours*

One of the following courses that aligns with the subject area emphasis of the credential:

- EDES 5112 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 5113 Secondary Content Methodology for Teaching Social Science *3 semester hours*

- EDES 5114 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 5115 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 5116 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 5117 Secondary Content Methodology for Teaching Art *3 semester hours*

Total: 35 semester hours

#### Additional Program Requirements

- edTPA
- Professional Advising
- CSET Score Report
- Disposition Rubric
- Culminating Fieldwork Requirements
- Exit Interview
- Application for Credential
- Application for Master of Arts Degree

## Urban Education, M.A.

#### Contact Information

**Program Director:** Maryann Krikorian

**CAST and PLACE Corps Program Director:** Antonio Felix

**Assistant Director (LA Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

#### Introduction/Overview

The Master of Arts in Urban Education (UBED) program is available only to intern candidates who have been admitted to, and are on track for, completion of the Multiple and Single Subject intern credential as well as Education Specialist teaching intern credential. Currently, the program is offered as a 1+1 Teaching Credential and Master of Arts degree, whereby candidates are required to complete credential coursework, concentration coursework, and the research capstone sequence.

The UBED program consists of candidates from existing partnerships which include but are not limited to: Teach for America (TFA), Catholic Archdiocesan School Teachers (CAST), Partners in Los Angeles Catholic Education Corps (PLACE), Wonderful, Rocketship, Green Dot, Knowledge is Power Program (KIPP), Partnerships to Uplift Communities (PUC), and Seneca. Some candidates in their teaching credential program may require additional pre-service coursework, required coursework, and requirements in order to be eligible for credential recommendation and progression into the UBED program. For specific requirements, please see Multiple Subjects, Single Subject, or Education Specialist teaching credential intern pathways requirements.

The UBED program develops critical educators with the knowledge and dispositions to advocate for educational equity; fosters skillful and ethical researchers who positively impact their respective context; encourages mutuality and collaboration with communities towards transformative relationships; and nurtures an ethic of care, solidarity, and professional responsibility with a particular concentration in one of the following areas:

- Digital Learning
- Educational Policy and Administration

- Language and Culture
- Literacy

The program also enables candidates to develop a deeper understanding of theory, research, and practice in urban education via the Research Capstone Sequence. Upon completion of the program, candidates should be prepared for a doctoral program and to make a significant contribution to the field of urban education.

### Student Learning Outcomes

As a result of this program, candidates will:

1. Analyze the historical, sociocultural, political, and global context of education;
2. Engage in discernment, inquiry, and research to promote equity and inclusion for diverse students and communities;
3. Apply theory and research to professional practice in areas of concentration such as digital learning, educational policy and administration, language and culture, and literacy;
4. Advocate for social justice through collaboration with communities of practice.

### Program Admission Requirements\*

This program is available only to candidates who have been admitted to, and are on track for, completion of the coursework for the Urban Education teaching credential intern pathway programs only.

- Application for M.A. from Credential
- 3.0 minimum GPA in the Credential Intern pathway program

\*Specific partnerships may have alternate requirements different from those listed above.

### Degree Coursework

The program is offered as a 1+1 Teaching Credential and Master of Arts degree, whereby candidates are required to complete credential coursework, concentration coursework, and the research capstone sequence. More specifically, candidates are required to complete one of the following: (a) a minimum of 15 units from any of the Preliminary Multiple Subjects Intern Credential; (b) a minimum of 15 units from any of the Preliminary Single Subjects Intern Credential; or (c) a minimum of 18 units from any of the Preliminary Education Specialist Intern Credential pathway. Candidates must also take between 9-12 units from any of the concentration classes within one of the following concentration areas: (a) Digital learning, (b) Educational Policy and Administration, (c) Language and Culture, and (d) Literacy. Lastly, candidates are required to complete 4-units from the capstone research sequence.

### Preliminary 2042 Multiple Subjects & 2042 Single Subjects Credential

Candidates must take a minimum of 15 units from the Preliminary Education Specialist Intern Credential:

- EDUR 5021 Teaching English Learners *2 semester hours*
- EDUR 5022 Transformative Pedagogy *1 semester hours*
- EDUR 5024 Critical Issues in Education *3 semester hours*
- EDUR 5025 Introduction to Elementary Methods and Literacy *3 semester hours*
- EDUR 5026 Development of Elementary Methods and Literacy *3 semester hours*
- EDUR 5027 Introduction to Assessment *1 semester hours*
- EDUR 5028 Advanced Assessment for Teachers *1 semester hours*
- EDUR 5029 Introduction to Secondary Mathematics and Literacy *2 semester hours*

- EDUR 5030 Advanced Secondary Mathematics and Literacy *2 semester hours*
- EDUR 5031 Introduction to Approaches to Teaching Science and Literacy *2 semester hours*
- EDUR 5032 Contemporary Approaches to Teaching Science and Literacy *2 semester hours*
- EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy *2 semester hours*
- EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy *2 semester hours*
- EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting *2 semester hours*
- EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting *2 semester hours*
- EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting *2 semester hours*
- EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting *2 semester hours*
- EDUR 5051 Urban Education Field Experience 1 *2 semester hours*
- EDUR 5052 Urban Education Field Experience 2 *2 semester hours*

### Preliminary Education Specialist Credential

Candidates must take a minimum of 18 units from the Preliminary Education Specialist Intern Credential:

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*
- EDUR 6613 Special Education Intern Seminar 1 *2 semester hours*
- EDUR 6614 Special Education Intern Fieldwork 1 *1 semester hours*
- EDUR 6615 Special Education Intern Seminar 2 *2 semester hours*
- EDUR 6616 Special Education Intern Fieldwork 2 *1 semester hours*

### Concentrations

For Preliminary 2042 Multiple Subjects and Single Subjects credential candidates, a minimum of 12 units from any concentration classes are required. For Preliminary Education Specialist credential candidates, a minimum of 9 units are required. Concentration courses are offered in one of the following areas:

#### Digital Learning

- EDUR 6102 The Context of Schooling *3 semester hours*
- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDUR 6327 Learning and Teaching with Technology *3 semester hours*
- EDUR 6328 Survey of Digital Technologies for Urban Education *3 semester hours*

- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

#### Educational Policy and Administration

- EDUR 6102 The Context of Schooling *3 semester hours*
- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

#### Language and Culture

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDUR 6102 The Context of Schooling *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

#### Literacy

- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*
- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6006 Literacy Curriculum and Design Implementation *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

#### Capstone Research

- EDUR 5018 Research in Urban Education *3 semester hours*
- EDUR 5020 Research Project in Urban Education *1 semester hours*

Total: 31 semester hours

## **Literacy Instruction for Urban Environments, M.A. (On Hiatus)**

#### Contact Information

**Program Director:** Morgan Freidman

**Academic Advisor:** Terri Taylor

#### Introduction/Overview

The fully online Master of Arts in Literacy for Urban Schools program empowers teachers in urban settings to make an impact on the education of struggling readers. Coursework will focus on strategies that integrate research and theory into practice, whether it is in the classroom or at the district level. Recognizing the diversity of learning styles in the classroom, graduates of this program will gain the skill set to assess learners and adapt curriculum to meet the needs of all students. The program meets the needs of PK-12 classroom teachers nationwide and fits candidates' demanding schedules via its fully online design.

### Program Outcomes

As a result of this program, candidates will:

- Apply current evidence-based and developmentally appropriate strategies in the following areas: oral language development, word analysis, fluency, vocabulary development, listening and reading comprehension, and written language development
- Demonstrate mastery of basic principles of assessment by evaluating the needs of all students through the use of formative and summative assessment
- Implement appropriate literacy learning strategies using differentiated instruction
- Demonstrate support of excellence in teaching reading and provide appropriate intervention strategies
- Create positive literacy environments to motivate and engage all learners using current technologies
- Take steps to serve as a leader to develop and maintain reading initiative at the school site or district level
- Collaborate with parents/families and community to enrich or reform the teaching of reading practices

### Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Interview with Program Director/Assistant Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

### Program Requirements

#### Required Coursework

- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*
- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6005 Resourcing and Implementing Technology for Effective Reading *3 semester hours*
- EDES 6006 Literacy Curriculum and Design Implementation *3 semester hours*
- EDES 6007 Critical Analysis of Current Literacy Education in Urban Schools *3 semester hours*
- EDES 6008 Motivating All Readers in the Content Areas *3 semester hours*

- EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

Total: 30 semester hours

#### Additional Requirements

- Written Comprehensive Exam
- PowerPoint Showcase

## Educational Studies Integrated 4+1, M.A.

#### Contact Information

**Academic Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

#### Introduction

The Educational Studies Integrated 4+1 Program will provide undergraduate students in the teacher education pipeline, working through the Center for Undergraduate Teacher Preparation, the opportunity to earn their Bachelor of Arts degree, preliminary teaching credential, and Master of Arts degree in Educational Studies within five years at LMU. The B.A. and preliminary teaching credential will be earned within the first four years of undergraduate study. Students will earn their B.A. in a major of their choice from within the various Schools/Colleges at LMU. Simultaneously, the preliminary teaching credential will be earned through the School of Education. The M.A. in Educational Studies degree will be earned in an additional year through the School of Education as well. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

#### Program Outcomes

As a result of this program, candidates will:

- Develop an understanding of the interdisciplinary nature of education
- Develop and improve the critical thinking skills needed to apply the knowledge and skills learned through the program
- Acquire and develop the knowledge, skills, and perspectives to examine and act upon the ethical and social justice dimensions of schooling
- Demonstrate knowledge of how diverse issues impact educational theory and practice both qualitatively and quantitatively

#### Program Admission Requirements

- Attend a Mandatory Information Session
  - Please contact the SOE Admissions Office to attend an information session. Applicants will receive an informational packet that includes all application materials and instructions.
- Currently enrolled as an undergraduate student at LMU
- Graduate Division Application
- 2 Letters of Recommendation
  - Letters should be written by LMU professors/faculty.

- Statement of Intent
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units
- Interview with Program Director/Assistant Director

## Program Requirements

### Required Coursework

- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDES 6103 Curriculum and Instructional Leadership *3 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDES 6998 Special Studies *0 TO 3 semester hours*
- EDES 6900 Educational Studies Capstone Project *3 semester hours*

12 additional semester hours in their selected area of focus from:

### Digital Learning

- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDUR 6327 Learning and Teaching with Technology *3 semester hours*
- EDUR 6328 Survey of Digital Technologies for Urban Education *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

### Early Childhood Education

- EDES 5401 Infancy *3 semester hours*
- EDES 5402 Early Childhood *3 semester hours*
- EDES 5404 Child, Family, and Community *3 semester hours*
- EDES 5405 Early Childhood Education Programs and Curriculum *3 semester hours*

### Language

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*

And choose Spanish or Mandarin remaining semester hours:

### Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

### Mandarin

- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

### Literacy

- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*

## Educational Policy and Administration

- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*
- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDUR 6102 The Context of Schooling *3 semester hours*

## Special Education

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDES 6608 Research Methods in Special Education *3 semester hours*
- EDES 6610 Special Topics in Special Education *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDES 6611 Master's Professional Project *3 semester hours*

Total: 30 semester hours

## Additional Requirements

- 2 sealed, official transcripts from LMU need to be sent to the Center for Undergraduate Teacher Preparation after the B.A. degree is awarded
- Professional Advising
- Exit Interview

## Special Education, M.A. - Intern Program

### Contact Information

**Interim Program Director:** Victoria Graf

**Assistant Director (LA Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

### Introduction/Overview

The Master of Arts in Special Education coursework combined with the Education Specialist credential coursework prepares candidates from a variety of academic backgrounds to work with students with Mild/Moderate Disabilities. Completion of the program results in a Master of Arts degree in Special Education. The benefits of this M.A. in the area of Special Education include:

- Acquisition of the knowledge and skills needed to create access to learning for students with Mild/Moderate Disabilities.
- Focus on removing barriers to learning for students with disabilities through the lens of social justice
- Authentic connection and experience working with students with disabilities

All students in the Special Education teaching credential that are successfully progressing in their teaching credential program requirements are eligible to apply for admission into the Master of Arts in Special Education degree program. Partnership programs may include but are not limited to: TFA, CAST, PLACE Corps, Green Dot, KIPP, PUC, Rocketship, Wonderful, and Seneca. Some candidates in their teaching

credential program may require additional pre-service coursework, required coursework, and requirements in order to be eligible for credential recommendation and progression into the Special Education M.A. program. For specific requirements, please see Education Specialist teaching credential intern pathways requirements.

### Program Outcomes

As a result of this program, candidates will:

- Demonstrate reflective praxis through a Social Justice lens while actively engaging with all stakeholders, including but not limited to, persons listed in CTC Program Standard 4 (e.g., children, parents, educators, etc.)
- Exhibit knowledge and practice of professional, legal, and ethical standards to show evidence of engagement and educational practices to support all stakeholders
- Cultivate inclusive educational environments for all PK-12 diverse learners through the development and use of positive behavioral, social, and environmental supports for learning
- Apply knowledge of non-biased evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction

### Program Admissions Requirements

This program is available only to candidates who have been admitted to, and are on track for, completion of the coursework for the Special Education teaching credential intern pathway programs only.

- Application for M.A. from Credential
- 3.0 minimum GPA in the Credential Intern pathway program

\* Specific partnerships may have alternate requirements different from those listed above.

### Degree Requirements

#### Required Coursework

- EDES 6608 Research Methods in Special Education *3 semester hours*
- EDES 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities *3 semester hours*
- EDES 6610 Special Topics in Special Education *3 semester hours*
- EDES 6611 Master's Professional Project *3 semester hours*
- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*
- EDUR 6613 Special Education Intern Seminar 1 *2 semester hours*
- EDUR 6614 Special Education Intern Fieldwork 1 *1 semester hours*
- EDUR 6615 Special Education Intern Seminar 2 *2 semester hours*
- EDUR 6616 Special Education Intern Fieldwork 2 *1 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments 3 *semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings 3 *semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) 3 *semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) 3 *semester hours*

Total: 35 semester hours

#### Additional Requirements

- Application for Master Degree
- Partnership-specific requirements for admission or progression
- Credential Requirements
- Professional Advising
- Exit Interview
- MA Capstone Project
- Research Symposium Participation

## Minor

### Special Education Minor

#### Contact Information

**Interim Program Director:** Victoria Graf

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

#### Introduction/Overview

The Special Education minor is offered through the School of Education for students interested in careers in special education outside the TK-12 classroom such as in educational policy, educational nonprofit organizations, educational film productions, and museum education. Students may declare a minor so that their Special Education coursework is acknowledged on their official transcript.

In order to maximize enrollment in Special Education courses within the undergraduate program, students are strongly encouraged to declare the Special Education minor early in their career. The Special Education minor is not applicable to Liberal Studies majors (Multiple Subjects credential students).

Completion of a Special Education minor does not equal completion of the requirements for a teaching credential. Students may complete the Special Education minor without completing all of the requirements

for a teaching credential.

### Program Outcomes

As a result of this program, candidates will:

- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Apply knowledge of non-biased, evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions

### Program Admission Requirements

- Maintain a GPA of 3.0 or higher
- Attend a Mandatory Application Information Session
  - Please contact the School of Education Enrollment Management Assistant Director to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Minor in Education Application Form
- CTC Certificate of Clearance
- Tuberculin Skin Test Results (within the last 12 months)
- Technology Requirement Form

### Program Requirements

#### Required Coursework

- EDSP 427 Creating Effective Classrooms in Diverse Settings *3 semester hours*
- EDSP 436 Creating Collaborative Partnerships *3 semester hours*
- EDSP 444 Observation and Participation in General and Special Education Programs *3 semester hours*
- EDSP 453 Introduction to the Study of Disability and Special Education *3 semester hours*
- EDSP 454 Major Issues and Foundations of Special Education *2 semester hours*
- EDSP 455 Development of IEPs for Students with Exceptional Needs *1 semester hours*
- EDSP 498 Special Studies *3 semester hours*

Total: 18 semester hours

## Education Minor

### Contact Information

**Center Senior Director:** Annette Pijuan Hernandez

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Education minor is offered through the School of Education for students interested in careers in education outside the TK-12 classroom such as in educational policy, educational nonprofit organizations, educational film productions, and museum education. Students may declare a minor so that their Education

coursework is acknowledged on their official transcript.

In order to maximize enrollment in Education courses within the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. The Education minor is not applicable to Liberal Studies majors (Multiple Subjects credential students).

Completion of an Education minor does not equal completion of the requirements for a teaching credential. Students may complete the Education minor without completing all of the requirements for a teaching credential.

All candidates must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 501 Teaching and Learning in Diverse Communities and EDES 502 Creating and Leading Effective Classroom Environments or EDES 503 Language Theory and Pedagogy: Second Language Acquisition and EDES 504 Assessment to Inform Instruction for Diverse Students. These documents are required for participation in clinical practice.

### Program Outcomes

As a result of this program, candidates will:

- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

- Complete the following two prerequisite courses:
  - EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
  - EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- Maintain a GPA of 3.0 or higher
- Attend a Mandatory Application Information Session
  - Please contact the School of Education Enrollment Management Assistant Director to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Minor in Education Application Form
- CTC Certificate of Clearance
- Tuberculin Skin Test Results (within the last 12 months)
- Technology Requirement Form

### Program Requirements

#### Required Coursework

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*

Total: 15 semester hours

LMU School of Film and Television

## **Administration**

Dean: Peggy Rajski

Interim Associate Dean of Academic Affairs: Beth Serlin

Associate Dean of Administration and Planning: Kathleen Ruiz

Assistant Dean: Johana Hernandez

## **Objectives**

The LMU School of Film and Television is committed to preparing students for their creative and professional lives. Through their course work, creative projects, and internships, students will learn the art and craft of communicating ideas through images and sound and writing for the screen. They will also gain an appreciation for the history of these art forms and develop their ability to critically analyze these works. We aim for that delicate balance between theory, technology and the creative impulse--where the balance is always heavily weighted toward the creative and human.

It is important for artists to be aware and considerate of diverse views, yet have the freedom to discover their individual voices and the courage to express their own points of view. As faculty, our most important work is to help our students find those creative voices and express them, because we believe that art is of utmost importance to the human race. We strive to create an atmosphere in which lasting and useful original works are fashioned-by the students and by the faculty and staff. We encourage our students to address a wide audience, to appreciate the contributions of all who labor to tell a story, and to work as part of a community of artists to find new ways to tell new stories.

True to the Loyola Marymount tradition, we also seek to remind students of the ethical and social responsibilities that go with the power of these media, and we encourage them to have a reflective mind and generous spirit as they seek to create works that inform, enlighten, and entertain.

## **Graduate Program**

### **Degrees Offered**

The School of Film and Television offers three Master of Fine Arts (M.F.A.) degrees:

- Film and Television Production (PROD)
- Writing for the Screen (WSCR)
- Writing and Producing for Television (WPTV)

Specific degree requirements are listed under each individual program.

### **Graduate Admission Requirements**

All applicants must have a Bachelor's degree from an accredited university. The department welcomes applicants who have received degrees in unrelated fields. There are only a limited number of openings in the graduate School of Film and Television programs, and applications are reviewed and accepted for the Fall semester each year.

Applicants must submit all materials to the Graduate Division by December 4. These materials include: application, \$50 application fee, detailed personal statement, all transcripts, GRE scores (required only if undergraduate GPA is lower than 3.0), two letters of recommendation, and supplemental materials including any creative work in written and/or multimedia formats that illustrate a particular talent or expertise that the applicant would like to highlight for the selection committee. Film and Television Production applicants must submit creative samples (see the SFTV website for specific requirements). Applicants to Writing and Producing for Television or Writing for the Screen programs must submit writing samples (see the SFTV website for specific requirements).

A non-refundable \$1,000 deposit must be submitted with your commitment by the deadline specified on the admissions letter. The deposit is applied toward tuition. Notices are sent on a rolling basis.

June 15 is the deadline to register for Fall classes. Any applicant who does NOT register by this date will forfeit his or her spot, and it will be offered to another student.

## **Undergraduate Program**

### **Degrees Offered**

The School of Film and Television offers the following five degrees:

- Bachelor of Arts in Animation
- Bachelor of Arts in Film, Television, and Media Studies
- Bachelor of Arts in Film and Television Production
- Bachelor of Arts in Recording Arts
- Bachelor of Arts in Screenwriting

Degree requirements are listed under each individual program.

### **Change of Program/Major**

There is a formal application procedure for students who wish to be accepted into the School of Film and Television or who wish to transfer from one SFTV program to another (See the SFTV website for specific requirements). At this time, students will not be considered for internal change of program to the Film and Television Production major. Applications are due on the last day of February for admission to the following Fall semester and on the last day of September for admission to the following Spring semester.

### **Application of General University Requirements**

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the School of Film and Television.

### **School Curriculum**

The curriculum of the School of Film and Television incorporates required courses in university core, major sequences, and elective courses which complement and enhance the student's major field of concentration.

### **Total Program**

120 semester hours are required for graduation with the following distribution:

- a. a maximum of 36 upper division semester hours in any one department will be accepted toward the 120 semester hours requirement; and
- b. at least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the School of Film and Television.

## **Study Abroad**

A semester of international study abroad is recommended. Programs specific to the School of Film and Television are described below. For details on these programs, consult the Study Abroad office.

### **Budapest Film Academy at ELTE, Budapest, Hungary**

Screenwriting Majors and Minors have the opportunity to study Screenwriting, Production, and Film Studies in English with Hungarian and international students in Budapest, Hungary. Two required Screenwriting courses are taught by an LMU professor, with additional courses taught by European experts. Our host is the Budapest Film Academy located on the campus of Eötvös Loránd University (ELTE), the largest university in Hungary. Straddling the Danube River, Budapest is a bustling capital city, home to a thriving film community. Its Central European location shares borders with Austria, Ukraine, Slovakia, Romania, Serbia, Slovenia, and Croatia.

### **Documentary Production at fits, Bonn, Germany**

Students in the Film and Television Production major and the International Documentary Production minor have the opportunity to participate in an intensive documentary production study abroad experience in Bonn, Germany. The program focuses on documentary film production and European media and culture. Courses are taught by both LMU faculty and German instructors. The program's structure includes three-week workshops and immersive, hands-on production training. Cultural opportunities while overseas include film festivals (depending on the season), exhibitions, theater performances, tours of film and television studios, and a trip to Berlin. Participating students will earn 15-18 semester hours of credit, including the production sequence, and will produce a 10-minute documentary that can be distributed or exhibited at festivals or through other channels. The Bonn program includes additional requirements.

### **Summer Study Abroad at Bologna, Italy**

The Il Cinema Ritrovato festival is the largest and most prestigious film restoration festival in the world. It partners with upwards of 25 institutions around the world dedicated to film restoration. Now into its fourth decade of existence, the festival takes place every summer in Bologna, Italy, and is curated by Cineteca di Bologna. It screens upwards of 400 films during the last week in June. Open to all LMU students, this program is designed as an intensive introduction to the History of World Cinema in preparation for exposing students to the festival. For this reason, the program takes place during the first two weeks before the festival, followed by a week after the festival. The program requires registration in FTVS 3700/FTVS 598 (which also fulfills the requirements of FTVS 2100/FTVS 514). Students also have the opportunity to enroll in an elective course from a different SFTV discipline (ANIM, SCRW, PROD, or RECA). This course changes each summer; please contact the Director of the program or the Study Abroad office for more information. Spring Hill College's Italy Center hosts the program in its facilities (dorms, cafeteria, and classrooms) for the entire four-week duration.

# Animation

## Faculty

Chairperson: Tom Klein

Professors: José Garcia-Moreno, Tom Klein

Associate Professors: Shane Acker, Rob Burchfield, Adriana Jaroszewicz

## Bachelors

### Animation, B.A.

#### Objectives

The Department of Animation is committed to the teaching of classical animation traditions that persist and extend into modern screen media. An emphasis on storytelling and collaboration provides a framework for students to experience the practice of studio production workflows, including preparations for a lifetime of ever-changing technology.

In four years at LMU, Animation begin with foundational courses in drawing, storyboarding and filmmaking that lead to the production of group animated films in sophomore year, as well as introductions to 3D and interactive animation. The third year marks a shift to upper division elective courses. Then in the senior year, students complete an animated thesis.

The major is interdisciplinary in its reach across both creative and technical disciplines. Our university liberal arts curriculum and its Ignatian educational principles engage animators with the opportunity to be humanistic storytellers and to integrate meaningful themes within their animated work. Each thesis is a capstone of artistic craft that compels a visual story.

#### Animation Student Learning Outcomes

Students will:

- Be ethical and humanistic animation storytellers grounded in traditional skills and innovation.
- Produce, through the unification of technology and artistic expression, creative projects embedded with social and aesthetical relevance.
- Validate and integrate collaborative filmmaking as the foundation of animation workflow process, defined by discipline, self-analysis, and critical thinking.

#### Major Requirements

Lower Division major requirements                      34 semester hours

Upper Division major requirements                      24 semester hours

Overall Total    120 semester hours

Emphasis in the Major

Sophomore reviews by faculty provide a critique of students' overall performance in their first two years. It is

also the occasion for each sophomore to petition faculty for approval of a chosen emphasis within the major, either Film Production or Game Design. The choice of an emphasis does not preclude any upper division electives, but it does inform an appropriate selection of courses. This path then culminates in Senior Thesis, wherein students complete an animated film (Animation/Film Production) or animation for interactive media (Animation/Game Design).

Suggested upper division courses within the Animation/Film Production emphasis include:

- ANIM 310 Intermediate Storyboard *3 semester hours*
- ANIM 330 Intermediate 3D Computer Animation *3 semester hours*
- ANIM 360 Character Design *3 semester hours*
- ANIM 370 Character Animation *3 semester hours*
- ANIM 380 Visual Effects Compositing *3 semester hours*
- ANIM 420 Experimental Animation *3 semester hours*
- ANIM 498 Special Studies *1 TO 3 semester hours*

Suggested upper division courses within the Animation/Game Design emphasis include:

- ANIM 352 Game Design *3 semester hours*
- ANIM 480 VR Studio *3 semester hours*
- ANIM 498 Special Studies *1 TO 3 semester hours*

#### Animation Model Four-Year Plan

- Normal course load is at least 15 semester hours or per semester.
- University core should be selected based on distribution of various disciplines as well as interests and availability.
- Lower division major requirements should be completed by end of sophomore year.
- 45 semester hours of upper division coursework are required; these are comprised of upper division core requirements, upper division major requirements, and upper division electives taken.
- Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult assigned academic advisor.

#### Freshman Year

##### Fall Semester

- ANIM 100 History of Animation *3 semester hours*
- ANIM 210 Visual Story Development *3 semester hours*
- ART 153 Drawing I *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

##### Spring Semester

- ANIM 120 Beginning Animation Workshop *3 semester hours* (must earn B or higher)
- ART 154 Drawing II: Figure Drawing *3 semester hours*
- FTVS 1010 Art of Cinema *4 semester hours* or
- FTVS 1020 Art of Screen Media *4 semester hours*

- SCWR 120 Storytelling for the Screen 3 *semester hours*
- RHET 1000 Rhetorical Arts 3 *OR 4 semester hours*

Total: 16-17 semester hours

## Sophomore Year

### Fall Semester

- ANIM 220 Intermediate Animation Workshop 3 *semester hours*
- ANIM 260 Digital Toolbox 3 *semester hours*
- ART 300 Figure Drawing Workshop 1 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-15 semester hours

### Spring Semester

- ANIM 230 Introduction to 3D Computer Animation 3 *semester hours*
- ANIM 250 Introduction to Interactive Animation 3 *semester hours*
- ART 300 Figure Drawing Workshop 1 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-15 semester hours

## Junior Year

### Fall Semester

- ANIM Upper Division Elective 3 *semester hours*
- ART 300 Figure Drawing Workshop 1 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 13-16 semester hours

### Spring Semester

- ANIM Upper Division Elective 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-19 semester hours

## Senior Year

## Fall Semester

- ANIM 495 Thesis Project/Pre-Production *3 semester hours*
- ANIM Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-14 semester hours

## Spring Semester

- ANIM 490 Animation Practicum *3 semester hours*
- ANIM 496 Thesis Project/Production *3 semester hours*
- ANIM Upper Division Elective *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Minor

### Animation Minor

#### Minor Requirements

The School of Film and Television offers a minor in Animation to all LMU students.

The minor is 18 semester hours consisting of:

- ANIM 100 History of Animation *3 semester hours* or
- ANIM 230 Introduction to 3D Computer Animation *3 semester hours* or
- ANIM 250 Introduction to Interactive Animation *3 semester hours*
  
- ANIM 120 Beginning Animation Workshop *3 semester hours*
- ANIM 210 Visual Story Development *3 semester hours*
- Three elective courses (nine semester hours) chosen from 300 and 400 level Animation courses under the direction of the Chairperson.

### Film and Television Arts and Enterprises

Courses offered in Film and Television Arts and Enterprises are designed to supplement the student's major program with studies that encompass all areas of entertainment arts and enterprises.

### Film, Television, and Media Studies

### Faculty

Chairperson: Carla Marcantonio

Associate Professors: Miranda Banks, Susan Torrey Barber, Richard P. Hadley, Jr., Anupama Kapse, Carla Marcantonio, Susan Scheibler

Assistant Professor: Mikki Kressbach

## **Bachelors**

### **Film, Television, and Media Studies, B.A.**

#### Program Goals

- Students will be able to critically examine the ways in which their own perceptions have been shaped and influenced by media texts such that they may become more thoughtful consumers as well as producers of such texts. Students understand the many ways that media texts reflect, shape and question cultural values, attitudes, and beliefs, including but not limited to representations of race, ethnicity, gender, sexual identity, class, and nationality.
- Students will understand and appreciate the development of cinematic and televisual media within their historical and cultural contexts, including the difference between national and global/transnational approaches to the study of film/media. This includes the different approaches to the study of film and other screen media, particularly, but not limited to, how they are informed by auteur studies, genre studies, or the study of specific cycles and movements.
- Students will gain the necessary tools to analyze, write and communicate critically about media texts.

#### Learning Outcomes

- Students will be able to deconstruct and describe the basic elements of film and television language.
- Students will differentiate between a visual text's form and content.
- Students will be able to execute close-readings and interpretations of visual texts.
- Students will be able to engage critically on topics of representation (e.g., race, gender, class, etc.).
- Students will be able to identify the context to which a particular film/visual text belongs (e.g., what national or transnational tradition, or what key movement, etc.).
- Students will distinguish approaches to the study of media (e.g., auteur studies, genre studies, reception studies, national vs. transnational lens, etc.).
- Students will engage effectively with critical/theoretical readings by integrating them into their own argumentative essays and/or oral/visual presentations.

#### Major Requirements

FOUNDATIONS: Five required courses (19 semester hours):

These courses set up the foundations for the study/analysis of film and media. In general, these courses are mostly survey-style courses that establish a historical and aesthetic overview of the medium.

- FTVS 1010 Art of Cinema *4 semester hours*
- FTVS 1020 Art of Screen Media *4 semester hours*
- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours*
- FTVS 3320 Introduction to Film/Media Theory *4 semester hours*
- One course (3 semester hours), selected from: ANIM 120 Beginning Animation Workshop; PROD 101 Production Bootcamp: The Film Crew at Work; SCWR 120 Storytelling for the Screen

NATIONAL/REGIONAL FOCUS: Two courses required (8 semester hours)

These courses emphasize national or transnational modes of studying film, focus on a deeper understanding of critical/theoretical paradigms, and require students to integrate the skills learned in the previous levels.

- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours*
- FTVS 2120 TV Studies *4 semester hours*
- FTVS 2127 Global TV Studies *4 semester hours*
- FTVS 4410 American Cinema *4 semester hours*
- FTVS 4420 European Cinema *4 semester hours*
- FTVS 4437 Asian Cinema *4 semester hours*
- FTVS 4447 African/Middle Eastern Cinema *4 semester hours*
- FTVS 4457 Latin American Cinema *4 semester hours*
- FTVS 4467 South Asian Cinema *4 semester hours*

ELECTIVE COURSES: Four courses (16 semester hours)

These courses round-off student's knowledge of film and allow those who would like to do so to pursue specific areas of interest. These courses reinforce concepts learned in lower-division courses and further develop issues pertaining to narrative and visual structure, uses of technology, and issues of representation (gender, race, class. etc.).

- FTVS 2130 Documentary Film/Media *4 semester hours*
- FTVS 2137 Global Documentary Film/Media *4 semester hours*
- FTVS 3200 Motion Picture Colloquium *4 semester hours*
- FTVS 3210 Visual and Textual Analysis *4 semester hours*
- FTVS 3220 Analysis of Video Games *4 semester hours*
- FTVS 3230 Technology/Aesthetics *4 semester hours*
- FTVS 3300 Women in Film *4 semester hours*
- FTVS 3310 Film/Media and Social Justice *4 semester hours*
- FTVS 4500 Film Authors *4 semester hours*
- FTVS 4507 Global Film Authors *4 semester hours*
- FTVS 4510 TV Authors *4 semester hours*
- FTVS 4600 Film Genre *4 semester hours*
- FTVS 4607 Global Film Genre *4 semester hours*
- FTVS 4610 TV Genre *4 semester hours*
- FTVS 4617 Global TV Genre *4 semester hours*
- FTVS 4700 Special Topics Theory/History *4 semester hours*
- FTVS 4707 Global Topics Theory/History *4 semester hours*

NON-WESTERN/TRANSNATIONAL EMPHASIS: A total of three (these courses have to be chosen from the above categories, no extra units)

In recent years, the study of film has moved away from analyses that focus on a single national tradition. In order to prepare students that are well-rounded in their knowledge of the field we will require them to be conversant in non-Western media as well as in transnational modes of study. These courses may include Western film/media as long as the course offers a transnational analysis. For shorthand purposes, these courses are labeled "global" (also discernible by ending with the number 7, refer to courses above).

- Normal course load is 16 semester hours of 4-5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students may take courses in a modified order with written permission of the Chair and Associate Dean.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

#### Freshman Year

##### Fall Semester

- FTVS 1020 Art of Screen Media *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

##### Spring Semester

- FTVS 1010 Art of Cinema *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- SFTV Creative Core *3 semester hours*  
*selected from ANIM 120, PROD 101, SCWR 120*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

#### Sophomore Year

##### Fall Semester

- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

##### Spring Semester

- FTVS 3320 Introduction to Film/Media Theory *4 semester hours*
- FTVS National or Regional Topic selected from FTVS 2120, FTVS 2127, FTVS 4410, FTVS 4420, FTVS 4447, FTVS 4457, or FTVS 4467 *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

#### Junior Year

## Fall Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- FTVS National or Regional Topic selected from FTVS 2120, FTVS 2127, FTVS 4410, FTVS 4420, FTVS 4447, FTVS 4457, or FTVS 4467 *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Spring Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## Minor

## **Film, Television, and Media Studies Minor**

### Minor Requirements

The School of Film and Television offers a minor in Film, Television, and Media Studies to all LMU students.

If you are an SFTV major wishing to add this minor, please contact the Film, Television, and Media Studies Department Chair to review your options.

The minor is 20 semester hours consisting of:

- FTVS 1010 Art of Cinema *4 semester hours*  
or
- FTVS 1020 Art of Screen Media *4 semester hours*
  
- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours*  
or
- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours*
  
- One Genre/Authors course, chosen from FTVS 2130, FTVS 2137, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617
- One National Film/International Television course, chosen from FTVS 2127, FTVS 4420, FTVS 4437, FTVS 4447, FTVS 4457, FTVS 4467
- One elective course (four semester hours) chosen from any upper division FTVS course.

## **Film and Television Studies**

Film and Television Studies courses (FTVS) are offered by the School of Film and Television.

## **Film and Television Production**

### **Faculty**

Chairperson: Mikael Kreuzriegler

Professors: Glenn Gebhard, Rev. Luís Proença, Charles Swanson, Donald Zirpola

Associate Professors: Mikael R. Kreuzriegler, Sharon Mooney, Margaret Murphy, Vanessa Newell, Gregory Ruzzin

Assistant Professors: Leena Pendharkar, Kennedy Wheatley

### **Bachelors**

## **Film and Television Production, B.A.**

Film and Television Production Student Learning Outcomes

## **Film History and Context**

By studying a diverse canon of great films and filmmakers, students will gain a broad understanding of the history and socio-historical contexts of American and global film, television, and emerging media to inspire them to create transformative works of their own.

## **Storytelling**

Students will master the methods of visual storytelling--through screenwriting, camera placement and movement, lighting, blocking and performance, post-production picture and sound--to create content with unique cinematic expression and engaging dramatic structure.

## **Technical Proficiency**

Students will demonstrate mastery of the components and processes in at least one of the following areas of specialization: Creative Producing, Fiction Directing, Non-Fiction Directing, Cinematography, or Post-Production.

## **Voice and Creativity**

By analyzing past historical works and applying technical and storytelling skills, students will be able to produce works with a strong personal voice that show vision and imagination.

## **Collaboration**

Students will work constructively to problem solve and collaborate in diverse teams to create impactful media.

### Major Requirements

#### Lower Division Requirements

#### Foundational Courses

- FTVS 1010 Art of Cinema *4 semester hours*
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- SCWR 120 Storytelling for the Screen *3 semester hours*

#### Introductory Courses

- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours*
- Any PROD 300- or 400-level course *3 semester hours* (consult this Bulletin for sequence and prerequisite details)
- RECA 250 Sound Design *3 semester hours*

#### Upper Division Requirements

#### Technical Skills

- PROD 341 Cinematography I *3 semester hours*
- PROD 366 Post-Production I *3 semester hours* (may be taken concurrently with PROD 390 or PROD 392)
- PROD 379 Directing I: From Script to Stage *3 semester hours*

#### Preparing the Intermediate Project

- PROD 326 Intermediate Pre-Production: Producing the Documentary Short *3 semester hours* or
- SCWR 327 Developing and Writing the Short Film *3 semester hours*

#### Intermediate Project

- PROD 390 Intermediate Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 392 Intermediate Production: Producing and Directing the Documentary Short *3 semester hours*
- RECA 367 Sound for Filmmakers *3 semester hours* (must be taken concurrently with PROD 390 or PROD 392)

#### Advanced Project

- PROD 490 Advanced Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 492 Advanced Production: Producing and Directing the Documentary Short *3 semester hours*  
or
- PROD 460 Capstone Experience: Advanced Practicum *3 semester hours*
- PROD 466 Advanced Editing: Practicum for Editors *3 semester hours* or
- PROD 440 Cinematography III: Practicum for Cinematographers *3 semester hours*  
or
- PROD 464 Visual Effects *3 semester hours* or
- PROD 489 Advanced Directing Seminar *3 semester hours* or
- PROD 480 Advanced Production Seminar *1 TO 3 semester hours*

#### Film and Television Production Model Four-Year Plan

- Normal course load is 15 semester hours or 4-5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

#### Freshman Year

##### Fall Semester

- FTVS 1010 Art of Cinema *4 semester hours*
- FTVS 1020 Art of Screen Media *4 semester hours* (Recommended)
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 17-19 semester hours

##### Spring Semester

- SCWR 120 Storytelling for the Screen *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

### Sophomore Year

#### Fall Semester

- PROD 200 Introduction to Film Production: Making the Short Film 3 semester hours
- RECA 250 Sound Design 3 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 12-14 semester hours

#### Spring Semester

- PROD 250 Writing, Producing, and Directing Episodic Television 3 semester hours or
- Any 300- or 400-level Production course 3 semester hours (may be taken any semester)
- PROD 341 Cinematography I 3 semester hours
- PROD 379 Directing I: From Script to Stage 3 semester hours
- FTVS 2100 World Cinema 1 (1895-1955) 4 semester hours or
- FTVS 2117 World Cinema 2 (1955-1990) 4 semester hours

- University Core 3-4 semester hours

Total: 16-17 semester hours

### Junior Year

#### Fall Semester

- PROD 326 Intermediate Pre-Production: Producing the Documentary Short 3 semester hours or
- SCWR 327 Developing and Writing the Short Film 3 semester hours
- FTVS Upper Division Elective 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

#### Spring Semester

- PROD 390 Intermediate Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 392 Intermediate Production: Producing and Directing the Documentary Short *3 semester hours*
- PROD 366 Post-Production I *3 semester hours* (may be taken concurrently or before PROD 390 or PROD 392)
- RECA 367 Sound for Filmmakers *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

Senior Year

Fall or Spring Semesters

- PROD 490 Advanced Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 492 Advanced Production: Producing and Directing the Documentary Short *3 semester hours* or
- PROD 460 Capstone Experience: Advanced Practicum *3 semester hours*
- PROD 466 Advanced Editing: Practicum for Editors *3 semester hours* or
- PROD 440 Cinematography III: Practicum for Cinematographers *3 semester hours* or
- PROD 464 Visual Effects *3 semester hours* or
- PROD 489 Advanced Directing Seminar *3 semester hours* or
- PROD 480 Advanced Production Seminar *1 TO 3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## **Masters**

### **Film and Television Production, M.F.A.**

Objectives

The School of Film and Television's major in Film and Television Production is designed to enable students to express their ideas on the screen—whether that screen is in a theater, at home, or held in one's hand. Beyond the existing television and theatrical feature landscape, new forms of media empower a single person to be both a worldwide broadcaster and a very selective receiver. Digital technologies have created new ways of working that transcend the traditional distinctions between film and television. The Film and Television

Production major combines the best of both of these fields.

Students admitted to this rigorous major become quickly immersed in the art of storytelling for the screen. They encounter and study great works of world cinema, both past and present, and ponder the ramifications of the emerging media of the future. They receive expert hands-on training in writing the screenplay, directing actors, cinematography, sound recording and design, and editing. In the process, each student learns about the challenging relationship between art and technique, and how both serve each other. Students learn the practical aspects of mounting a production: budgeting, location scouting, casting, set design and construction, post production, and the importance of safety in all aspects of what they do. Complete premier state of the art equipment and technology are available 24/7--all in service of story. Through teamwork, students learn an appreciation for all of the artists who labor to serve the story, and the camaraderie that comes from working as part of a crew engaged in a large, collaborative creative enterprise.

Students also learn to find their individual voices, and express their own points of view, on projects driven by their own creative choices. Beginning with their work on a series of short and intermediate films, students forge the fundamental skills of visual storytelling. Each student's experience culminates with a final project in which advanced students create their own thesis films.

Film and Television Production Student Learning Outcomes

### **Film History and Context**

By studying a diverse canon of great films and filmmakers, students will gain a broad understanding of the history and socio-historical contexts of American and global film, television, and emerging media to inspire them to create transformative works of their own.

### **Storytelling**

Students will master the methods of visual storytelling--through screenwriting, camera placement and movement, lighting, blocking and performance, post-production picture and sound--to create content with unique cinematic expression and engaging dramatic structure.

### **Technical Proficiency**

Students will demonstrate mastery of the components and processes in at least one of the following areas of specialization: Creative Producing, Fiction Directing, Non-Fiction Directing, Cinematography, or Post-Production.

### **Voice and Creativity**

By analyzing past historical works and applying technical and storytelling skills, students will be able to produce works with a strong personal voice that show vision and imagination.

### **Collaboration**

Students will work constructively to problem solve and collaborate in diverse teams to create impactful media.

M.F.A. in Film and Television Production Requirements

First Semester Requirements	<i>12 semester hours</i>
Program Requirements	<i>39 semester hours</i>
Thesis Requirements	<i>9 semester hours</i>
<b>Overall Total</b>	<b>60 semester hours</b>

## M.F.A. in Film and Television Production Guidelines

- Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Consult assigned academic advisor.
- First semester courses (PROD 500, PROD 541, PROD 566, and SCWR 501) must be completed with a grade of B- or higher. Failure to do so may lead to disqualification from the program, based on review of an exceptions committee. Students who receive a grade lower than a B- in any class may not continue with the standard sequence until they repeat the course when it is next offered. A course may be repeated only once. If a passing grade of B- is received, the student may continue with the standard course sequence in the program.
- Thesis requirements are specific to the student's selected Specialization, detailed below. Consult the Graduate Director regarding requirements for Advancement to Candidacy and Thesis Submittal.
- Probation/Dismissal: See Academic Standing in Academic Degree Requirements and Policies.
- SAFETY: Since the School of Film and Television is fully committed to safety and sensible risk management, every student will be required to adhere to all safety and risk management policies. The School considers violation of the Safety and Risk Management policies infractions of the LMU Student Honor Code. In accordance with the Honor Code guidelines and process, disciplinary measures may range from warnings, to failure in the course to expulsion from the University. Additionally, any footage acquired during the commission of a violation of these policies will be disallowed from the project. Students in violation of SFTV policies also risk suspension of privileges. Privileges include access to SFTV Production and Post Production resources and equipment and participating at the end of the semester screenings. When a violation occurs, the instructor, the appropriate department chair, HOPA, and the graduate director will meet to determine whether and to what extent the student shall incur temporary loss of privileges, or they may jointly make a recommendation to the dean for permanent loss of privileges.

### Three-Year Plan

#### First Year

##### Fall Semester

- PROD 500 Directing the Short Film I: Vision and Exploration *3 semester hours* (must earn B- or higher)
- PROD 541 Introduction to Cinematography *3 semester hours* (must earn B- or higher)
- PROD 566 Introduction to Post-Production *3 semester hours* (must earn B- or higher)
- SCWR 501 Production Fundamentals for Writing for the Screen *3 semester hours* (must earn B- or higher)

##### Spring Semester

- PROD 530 Intermediate Documentary Pre-Production *3 semester hours* or
- SCWR 530 Developing the Short Film *3 semester hours*
  
- PROD 550 Directing the Short Film II: Visual Storytelling *3 semester hours* (must earn B- or higher)
- PROD 570 Production Planning *3 semester hours*
- RECA 500 Sound for Production *3 semester hours*

#### Second Year

## Fall Semester

- PROD 600 Directing the Short Film III: Directing Actors 6 *semester hours* (must earn B- or higher)
- RECA 567 Seminar in Sound 3 *semester hours*
- DECLARATION OF SPECIALIZATION--Students declare one of the following specializations:

## Cinematography Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film 3 *semester hours*
- PROD 567 Practicum in Color Correction 3 *semester hours*
- PROD 649 Cinematography Master Class 3 *semester hours*
- FTVA 688 Intern Practicum 0 TO 3 *semester hours* (enroll in 0 semester hours)

### Third Year

#### Fall Semester

- FTVS 514 Seminar in International Film 3 *semester hours*
- PROD 649 Cinematography Master Class 3 *semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 666 Advanced Editing, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. 3 *semester hours*

#### Spring Semester

- PROD 675 Thesis Portfolio 3 *semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 666 Advanced Editing, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. 3 *semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. 3 *semester hours*

#### Final Deliverables--Cinematography Specialization

- 2-3 minute cinematography reel
- Online portfolio/website
- A completed personal marketing package
- Shoot a minimum of four short films and provide links. At least two film must be Graduate Thesis Projects (in PROD or WPTV). Undergraduate senior thesis can make up the two other projects.

## Creative Producing Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film 3 *semester hours*

- PROD 633 Developing, Selling, and Monetizing Digital Content *3 semester hours*
- PROD 635 Film and Television Development *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

### Third Year

#### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 639 Producing Master Class *3 semester hours*
- SCWR 685 Entertainment Business Affairs *3 semester hours*

#### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level *3 semester hours*

#### Final Deliverables--Creative Producing Specialization

- Work as a Producer on at least two Graduate Thesis projects, managing the project from pre-production through post-production. Submit links to finished films and a three-page reflection on the experience.
- Complete a Thesis Project, consisting of a bible, pitching materials, business marketing strategy, pitch presentation for industry, and a look book.
- A web series idea composed of either a written treatment and visual pitch OR a completed digital proof of concept (POC).
- A rip/tone reel or visual sales tool for the web series.

#### Directing Fiction Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- SCWR 620 Writing the Production Thesis Screenplay *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, PROD 685 Advanced Production Seminar (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

### Third Year

#### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*

- PROD 650 Thesis Project I: Pre-Production and Production *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, PROD 685 Advanced Production Seminar (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

#### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, PROD 685 Advanced Production Seminar (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. *3 semester hours*

#### Final Deliverables--Directing Fiction Specialization

- Completed fiction film 8-15 minutes in length
- Festival plan and promotional materials

#### Directing Non-Fiction Specialization

#### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- PROD 626 Pre-Production for Documentary Thesis *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

#### Third Year

#### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 650 Thesis Project I: Pre-Production and Production *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

#### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours* (must earn B- or higher)

- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 666 Advanced Editing, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. *3 semester hours*

#### Final Deliverables--Directing Non-Fiction Specialization

- Completed non-fiction film 15-30 minutes in length
- Festival plan and promotional materials

#### Editing Specialization

##### Second Year

##### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- Advanced Elective: Select six semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 649 Cinematography Master Class, PROD 685 Advanced Production Seminar (topics specified by Chair), or SCWR 635 Advanced Motion Picture Script Analysis. Nine semester hours are required for the degree. Other courses by permission only. *6 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

##### Third Year

##### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 666 Advanced Editing *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 649 Cinematography Master Class, PROD 685 Advanced Production Seminar (topics specified by Chair), or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

##### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours*

#### Final Deliverables--Editing Specialization

- 2-5 minute editing reel
- Online portfolio/website
- Trailers for completed films
- 25 to 60 minutes of edited content for Graduate Thesis films (PROD or WPTV). Must include a minimum of two projects.
- Post-production schedules, budgets, and workflows for each project

## Minor

## International Documentary Production Minor

The Undergraduate International Documentary Minor Program is dedicated to the development of authentic voices for the advancement of social justice through the production of documentaries that make a difference. The program is committed to the intellectual, creative, ethical, and professional growth of students, and strives to achieve this through an integrated and international curriculum that instructs and inspires its students to cultivate individual artistic sensibilities and conscientious perspectives. It is required that students as part of the Program will study for one semester in an International environment.

### Learning Outcomes of the Minor in International Documentary Production

Upon completing the program, students with a minor in International Documentary Production will know:

- The basic techniques of visual storytelling
- The basic processes of producing, directing, cinematography, editing, sound recording and design, and set design, while developing leadership and teamwork skills in the documentary format
- The current technologies involved in the creation of documentary production.

Upon completing the program, students with a minor in International Documentary Production will be able to:

- Clearly communicate real life story, theme, and concept in their works
- Apply learned techniques of film production to creative works of their own
- Give constructive feedback and implement revision of their own creative work based on feedback received
- Balance creative and organizational skills
- Practice teamwork, while developing leadership skills
- Create and treat content in innovative and imaginative ways.

### Minor Coursework

(18 semester hours)

- PROD 210 Introduction to Documentary Production *3 semester hours* (taught in Bonn, Germany)
- PROD 328 International Documentary Pre-Production *3 semester hours*
- PROD 340 Introduction to Cinematography Non-Fiction *3 semester hours* (taught in Bonn, Germany)
- PROD 355 International Documentary Production *3 semester hours* (taught in Bonn, Germany)
- PROD 367 Editing for Non-Majors *3 semester hours* (taught in Bonn, Germany)
- RECA 330 Sound Design for Documentary *3 semester hours* (taught in Bonn, Germany)

## Recording Arts

### Faculty

Chairperson: Rodger Pardee

Professors: Kurt Daugherty, Mladen Milicevic, Rodger Pardee

### Bachelors

## Recording Arts, B.A.

## Objectives

Recording Arts students explore the theoretical and practical elements of sound recording, reproduction, and design—the fundamentals crucial to successful work in all media that tap into the creative power of sound.

Given the enormous influence of these media, it is vital that these studies are given perspective by courses in LMU's Liberal Arts core curriculum. Recording Arts students are also required to take one music class that deals with the fundamentals of music theory. In upper division courses, students study the science of sound behavior, reproduction, and modification. They learn audio techniques that apply to both film/television sound and music recording.

The SFTV sound stages, studios, and audio workstations are the laboratories where students put their knowledge and creativity to work and build a portfolio. Each Recording Arts student gains experience with film and television sound production and produces an advanced recording arts senior project. Creative collaboration is key to success in this field.

## Recording Arts Student Learning Outcomes

Recording Arts students will understand:

- The physical and psychoacoustic properties of sound
- The techniques of making, editing, and processing sound recordings
- The aesthetic contribution of sound to media.

Recording Arts students will be able to:

- Make technically competent recordings of music as well as production and post-production sound for film and television media
- Effectively edit and process sound for those media
- Create technically competent and aesthetically pleasing mixes for those media.

Recording Arts students will value:

- The transformative power of challenging and meaningful art
- The collaborative and rigorous nature of working in sound for music, film, and television
- The cultural impact and significance of this media—past, present, and future.

## Recording Arts Model Four-Year Plan

- Normal course load is 15-16 semester hours or 4-5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

## Freshman Year

### Fall Semester

- FTVS 1010 Art of Cinema *4 semester hours* or
- FTVS 1020 Art of Screen Media *4 semester hours*
  
- MUSC 104 Fundamentals of Music *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- RECA 220 Fundamentals of Sound 3 *semester hours* (must earn B or higher)
- MUSC 107 The Piano Experience 3 *semester hours* (may test out per RECA chair)
  
- PROD 200 Introduction to Film Production: Making the Short Film 3 *semester hours* or
- PROD 101 Production Bootcamp: The Film Crew at Work 3 *semester hours*
  
- RHET 1000 Rhetorical Arts 3 *OR* 4 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-16 semester hours

#### Sophomore Year

##### Fall Semester

- RECA 250 Sound Design 3 *semester hours* (must earn B or higher)
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 12-15 semester hours

##### Spring Semester

- RECA 258 Sound Editing for Screen Arts 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-19 semester hours

#### Junior Year

##### Fall Semester

- RECA 322 Recording Technology 3 *semester hours*
- RECA 353 Sound on Set: Production Sound Techniques 3 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*

Total: 12-14 semester hours

##### Spring Semester

- RECA 358 Post-Production Sound 3 *semester hours*
- RECA 361 Capturing Live Music 3 *semester hours*
- RECA 362 Audio Software Applications 3 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-17 semester hours

Senior Year

Fall Semester

- RECA 461 Multi-Track Studio Recording 3 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-19 semester hours

Spring Semester

- RECA 464 Advanced Audio 3 *semester hours*
- RECA 470 Senior Capstone Portfolio 3 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 15-18 semester hours

## **Screenwriting**

### **Faculty**

Chairperson: Karol Hoeffner

Professors: Marilyn Beker, Stephen V. Duncan, Beth Serlin, Stephen Ujlaki

Associate Professors: Jeffrey Davis, Aurorae Khoo, Mark Evan Schwartz

Assistant Professors: David Clawson, Karol Hoeffner

Clinical Professors: Paul Chitlik, Michael F.X. Daley, Michelle Gillie, Patricia K. Meyer, Marc Pitre, Thomas Szollosi

## **Screenwriting Graduate Program**

**Graduate Director:** Patricia K. Meyer

# Bachelors

## Screenwriting, B.A.

### Objectives

- Students will be stimulated and engaged by a rich and challenging pre-professional undergraduate curriculum that spans the art, craft, and business of screenwriting.
- Students will understand and demonstrate the theoretical, aesthetic, and practical elements of film, television, and emerging new media story development and script writing.

### Learning Outcomes of the B.A. Program in Screenwriting

- Students will demonstrate an understanding of the dynamics of storytelling required for film, television, and new and emerging media.
- Students will demonstrate competency in developing stories and writing scripts for multiple media platforms.
- Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will create a portfolio of screenplays and teleplays in which structure, character development, dialogue, tone, and theme are clearly demonstrated.
- Students will demonstrate proficiency in analyzing the influences of film, television, and new and emerging media on our culture, and vice versa.
- Students will demonstrate competency in discussing the aesthetics of film, television, and new and emerging media.
- Students will demonstrate the ability to offer constructive criticism and collaborate with others in a writer's group.

### Screenwriting Major Requirements

#### Lower Division Requirements

##### Foundations

- FTVS 1010 Art of Cinema *4 semester hours*
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*

#### Preparing the First Feature

- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours* or
- Any FTVS 2000-, 3000-, or 4000-level course *4 semester hours*
- SCWR 220 Feature Story Development *3 semester hours* (must earn B or higher)

#### Upper Division Requirements

##### Intermediate Coursework

- SCWR 320 Feature Screenplay: Writing the First Draft *3 semester hours*

- SCWR 325 Writing the Comedy TV Series Spec *3 semester hours* (may be taken concurrently with SCWR 320) or
- SCWR 326 Writing the Drama TV Series Spec *3 semester hours*
- SCWR 321 Rewriting the Feature Screenplay *3 semester hours*
- SCWR 428 Adaptation: Source to Screen *3 semester hours*
- SCWR 329 Directing for Screenwriters *3 semester hours* (may be taken either semester senior year)

#### Advanced Coursework

- SCWR 420 Writing the Senior Project: Feature Screenplay or TV Pilot *3 semester hours* (may be completed as a feature script or television pilot)
- SCWR 421 Rewriting the Senior Project: Feature Screenplay or TV Pilot *3 semester hours*

#### Screenwriting Model Four-Year Plan

- Normal course load is 15 semester hours or 5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students may take courses in a modified order with written permission of the chair and Associate Dean.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

#### Freshman Year

##### Fall Semester

- FTVS 1010 Art of Cinema *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 10-12 semester hours

##### Spring Semester

- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Sophomore Year

##### Fall Semester

- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours* or
- Any 3000- or 4000-level FTVS course *4 semester hours*

- University Core 3-4 semester hours
- University Core 3-4 semester hours
- University Core 3-4 semester hours

Total: 12-15 semester hours

#### Spring Semester

- SCWR 220 Feature Story Development 3 semester hours (must earn B or higher)
- University Core 3-4 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-19 semester hours

#### Junior Year

##### Fall Semester

- SCWR 320 Feature Screenplay: Writing the First Draft 3 semester hours
- SCWR 325 Writing the Comedy TV Series Spec 3 semester hours or
- SCWR 326 Writing the Drama TV Series Spec 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-14 semester hours

##### Spring Semester

- SCWR 321 Rewriting the Feature Screenplay 3 semester hours
- SCWR 428 Adaptation: Source to Screen 3 semester hours
- FTVS Upper Division Elective 3 semester hours
- University Core 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

#### Senior Year

##### Fall Semester

- SCWR 329 Directing for Screenwriters 3 semester hours (may also be taken in the Spring of the senior year)
- SCWR 420 Writing the Senior Project: Feature Screenplay or TV Pilot 3 semester hours

- University Core 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

Spring Semester

- SCWR 421 Rewriting the Senior Project: Feature Screenplay or TV Pilot 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 12-15 semester hours

## **Masters**

### **Writing and Producing for Television, M.F.A.**

Objectives

- Students will prepare for specific careers in film, television, and new and emerging media through a highly professional and challenging graduate curriculum.
- Students will demonstrate the application of the theoretical, aesthetic, and practical elements of film, television, and emerging new media, story development, and script writing at a professional level suitable for pursuing a career in academia and/or the entertainment industry.

Learning Outcomes

- Students will demonstrate, through a portfolio of long- and short-form teleplays, mastery of story development, character development, storytelling structure, and cinematic style.
- Students will demonstrate the ability to pitch stories and scripts to producers, managers, agents, studios, cable outlets, and networks.
- Students will demonstrate proficiency in producing and executing a television production by creating a short reel that is reflective of a larger project.
- Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will develop entrepreneurial skills by creating relationships with outside organizations through internships, mentorships, and designated courses and workshops.
- Students will demonstrate the fundamental business skills required for working effectively with producers, managers, agents, and the Writers Guild of America.
- Students will learn to analyze the influences of film, television, and emerging media on our culture, and vice versa.

M.F.A. Writing and Producing for Television

The goal of the M.F.A. program in Writing and Producing for Television is to train hyphenates--writer-producers--who will become the creative leaders of television programming. Progressing from the core courses, the television writing student must complete a portfolio, which consists of a "spec" teleplay (either

comedy or drama), two original television pilots (one-hour and half-hour), and write and produce a short digital project that is representative of a larger work. Students can also take writing electives such as transmedia, video-game writing, or playwriting. Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult assigned academic advisor.

Students must maintain a "B" (3.0) average to remain in good academic standing. Students who fall below a B average will be placed on academic probation and will have one semester to bring their grade average up to a B.

At the end of the first and third semesters, students are required to attend an MFA Performance Review with the department faculty to discuss his/her overall cumulative progress in the program. Letters will be sent to each student following this meeting to say he/she is either performing in an exceptional way, a satisfactory way, or an unsatisfactory way. In the last case the student will be placed on academic probation. Academic probation will require another meeting at the end of the following semester. If the student does not meet the required standards, he/she will be dismissed from the program.

### M.F.A. in Writing and Producing for Television Requirements

Major Requirements 45 semester hours

Thesis Requirements 6 semester hours

**Overall Total 51 semester hours**

#### First Year

##### Fall Semester

- SCWR 511 Production Fundamentals for Writing and Producing for TV 3 semester hours (*must earn B or higher*)
- SCWR 550 Elements of Television Writing 3 semester hours (*must earn B or higher*)
- FTVS 511 Television History 3 semester hours (*must earn B or higher*)

##### Spring Semester

- SCWR 660 Writing the Drama TV Series Spec 3 semester hours or
- SCWR 670 Writing the Comedy TV Series Spec 3 semester hours
  
- SCWR 554 The TV Writers Room 3 semester hours
- SCWR 551 Feature Screenwriting: Writing and Producing for TV 3 semester hours

#### Second Year

##### Fall Semester

- SCWR 661 Writing an Original Drama Pilot 3 semester hours
- SCWR 671 Writing an Original Comedy Pilot 3 semester hours
- SCWR Writing Elective 3 semester hours (*must select any one course from SCWR 500 or 600 level*)

##### Spring Semester

- SCWR 611 Planning Ahead: Producing Fundamentals 3 semester hours

- SCWR 675 Rewriting the Television Pilot: Comedy and Drama *3 semester hours*
- SCWR Elective Writing *3 semester hours (must select any one course from SCWR 500 or 600 level)*

### Third Year

#### Fall Semester

- SCWR 680 Preproduction for Thesis Project *3 semester hours*
- SCWR 685 Entertainment Business Affairs *3 semester hours*
- SCWR Elective Writing *3 semester hours (must select any one course from SCWR 500 or 600 level)*

#### Spring Semester

- SCWR 681 Post-Production for Thesis Project *3 semester hours*
- SCWR 692 Feature Film and Television Portfolio Workshop *3 semester hours*

## **Writing for the Screen, M.F.A.**

### Objectives

- Students will prepare for specific careers in film, television, and new and emerging media through a highly professional and challenging graduate curriculum.
- Students will demonstrate the application of the theoretical, aesthetic, and practical elements of film, television, and emerging new media, story development, and script writing at a professional level suitable for pursuing a career in academia and/or the entertainment industry.

### Learning Outcomes

- Students will demonstrate, through a portfolio of screenplays and teleplays, mastery of story development, character development, storytelling structure, and cinematic style.
- Students will demonstrate the ability to pitch stories and scripts to producers, managers, agents, studios, cable outlets, and networks.
- Students will demonstrate proficiency in writing for screens of all sizes. Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will develop entrepreneurial skills by creating relationships with outside organizations through internships, mentorships, and designated courses and workshops.
- Students will demonstrate the fundamental business skills required for working effectively with producers, managers, agents, and the Writers Guild of America.
- Students will demonstrate proficiency in analyzing the influences of film, television, and emerging media on our culture, and vice versa.

### M.F.A. Writing for the Screen

The goal of the MFA program in Writing for the Screen is to train students for a career in screenwriting--to develop mastery in writing for screens of all sizes. Using long-form storytelling as a basis for teaching screenwriting, students will progress from the elements class to the creation of a portfolio of work, which will include three feature length screenplays, one episodic teleplay, and at least one original pilot for television. Students can also take writing electives such as transmedia, video-game writing, or playwriting. Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult an academic advisor.

Students must maintain a "B" (3.0) average to remain in good academic standing. Students who fall below a

"B" average will be placed on academic probation and will have one semester to bring their grade average up to a "B."

At the end of the first and third semesters, students are required to attend an MFA Performance Review with the department faculty to discuss his/her overall cumulative progress in the program. Letters will be sent to each student following this meeting to say he/she is either performing in an exceptional way, a satisfactory way, or an unsatisfactory way. In the last case the student will be placed on academic probation. Academic probation will require another meeting at the end of the following semester. If the student does not meet the required standards, he/she will be dismissed from the program.

#### M.F.A. in Writing for the Screen Requirements

Major Requirement 45 semester hours

Thesis Requirements 6 semester hours

**Overall Total 51 semester hours**

#### First Year

##### Fall Semester

- SCWR 510 Production Fundamentals for Writing and Producing for TV *3 semester hours* (must earn B or higher)
- SCWR 540 Elements of Feature Screenwriting *3 semester hours* (must earn B or higher)
- SCWR 635 Advanced Motion Picture Script Analysis *3 semester hours* (must earn B or higher)

##### Spring Semester

- SCWR 541 Writing the Feature Screenplay *3 semester hours*
- SCWR 660 Writing the Drama TV Series Spec *3 semester hours* or
- SCWR 670 Writing the Comedy TV Series Spec *3 semester hours*
- FTVS Elective Film, Television, and Media Studies *3 semester hours* (Must select any one course from FTVS 500 or 600 level)

#### Second Year

##### Fall Semester

- SCWR 640 Rewriting the Feature Screenplay *3 semester hours*
- SCWR 650 Advanced Feature Screenwriting *3 semester hours*
- SCWR 661 Writing an Original Drama Pilot *3 semester hours* or
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours* or
- SCWR Elective *3 semester hours* (Must select any one course from SCWR 500 or 600 level)

##### Spring Semester

- SCWR 641 Feature Film and Television Adaptation *3 semester hours*

- SCWR 651 Rewriting the Advanced Screenplay *3 semester hours*
- SCWR 661 Writing an Original Drama Pilot *3 semester hours* or
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours* or
- SCWR Elective *3 semester hours* (Must select any one course from SCWR 500 or 600 level)

### Third Year

#### Fall Semester

- SCWR 685 Entertainment Business Affairs *3 semester hours*
- SCWR 690 Thesis Screenplay Project *3 semester hours*
- SCWR 661 Writing an Original Drama Pilot *3 semester hours* or
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours* or
- SCWR Elective *3 semester hours* (Must select any one course from SCWR 500 or 600 level)

#### Spring Semester

- SCWR 691 Rewriting Thesis Screenplay Project *3 semester hours*
- SCWR 692 Feature Film and Television Portfolio Workshop *3 semester hours*

## Minor

### Screenwriting Minor

#### Minor Requirements

The School of Film and Television offers a minor in Screenwriting.

The minor is 19 semester hours consisting of:

- FTVS 1010 Art of Cinema *4 semester hours*
- SCWR 220 Feature Story Development *3 semester hours*
- SCWR 320 Feature Screenplay: Writing the First Draft *3 semester hours*
- SCWR 321 Rewriting the Feature Screenplay *3 semester hours*

Two elective courses (six semester hours) chosen from:

- SCWR 325 Writing the Comedy TV Series Spec *3 semester hours*
- SCWR 326 Writing the Drama TV Series Spec *3 semester hours*
- SCWR 428 Adaptation: Source to Screen *3 semester hours*

Other SCWR courses by permission of Chairperson.

## Aerospace Studies

*All University Colleges and Schools*

## **Faculty**

Kari Hill (Department Chairperson), Melinda Albiston, Nikole Egloff, Analiza McFarland, Simone Zacharias

## **General Military Course**

The first two years of Aerospace Studies (AERO 100, AERO 200) are designated the General Military Course (GMC) for students enrolled in Air Force Reserve Officers' Training Corps (AFROTC). There are no prerequisites for these courses, and all University students may participate. These courses focus on developing individual communication skills, basic leadership traits, understanding the environment of the Air Force officer, and comprehending the historical development of the United States Air Force in the national security structure. AERO 100 and AERO 200 may be taken concurrently to allow late entry into the program by second-semester freshmen and sophomores.

## **Professional Officer Course**

The last two years of AFROTC (AERO 300, AERO 400) are designated the Professional Officer Course (POC) for students enrolled in AFROTC. They are designed to prepare cadets for duty as officers in the United States Air Force and provide students with a working knowledge of advanced leadership and management theories and applications, as well as an understanding of the United States national security processes. The POC includes academics, interaction with military and national security professionals, and the practice of leadership and management in a large group environment.

## **Special Notes**

Aerospace Studies academic courses are open to all students who wish to take these classes as electives, whether they are cadets or not. Courses may or may not count toward graduation, depending upon the student's major. Students should consult their Dean and Department Chairperson for allowable courses. Leadership laboratories are mandatory for members of the cadet wing. Students that are not members of the cadet wing cannot enroll in the leadership laboratory courses.

## **Air Force Reserve Officers' Training Corps Program**

The AFROTC program at Loyola Marymount University is conducted by active duty Air Force Officers assigned to the Department of Aerospace Studies. The program is designed to prepare qualified men and women for careers as commissioned officers in the United States Air Force. Textbooks, uniforms, and all other equipment used in this program are furnished by the Air Force at no expense to the student.

Air Force ROTC offers three- and four-year scholarships. Additionally, Loyola Marymount University supplements some Air Force ROTC scholarships with room and board.

A nominal four-year program consists of two years of the General Military Course, followed by two years of the Professional Officer Course. Admission into the Professional Officer Course is limited to those students who successfully pass required written, oral, and physical examinations. During the summer between the sophomore and junior year, cadets are required to attend four weeks of field training at Maxwell Air Force Base, Alabama, to familiarize them with Air Force life. The Air Force furnishes all uniforms, equipment, and transportation. Students also receive pay and allowances authorized by current directives at the time of field training attendance. After successfully completing field training, qualified cadets enter the Professional Officer Course and receive \$350-400 per month, tax-free, during the final two years of AFROTC. For

information on scholarships, please go to [www.afrotc.com](http://www.afrotc.com).

AFROTC offers students expanded access to management theories and practice, exposure to industry and military leaders, and opportunities to better comprehend international political and security environments. While most training takes place on the LMU campus, it includes extensive interaction with students from other local universities and colleges who participate in the program. In addition to a commission upon graduation, cadets may apply for careers as pilots, navigators, space and missile operators, business administrators, engineers, health professionals, intelligence, officers, and many other specialties.

Center for Undergraduate Teacher Preparation

## Introduction

The Loyola Marymount University Center for Undergraduate Teacher Preparation exists to provide matriculation-to-graduation advising and other academic and professional support to undergraduates preparing for careers in K-12 teaching. The Center also serves as a resource for faculty and staff who provide instruction and other services in LMU's subject-matter teacher preparation programs.

In carrying out its work, the Center for Undergraduate Teacher Preparation is informed by the Mission and Goals of Loyola Marymount University, which emphasize the encouragement of learning, the education of the whole person, the service of faith, and the promotion of justice. For the encouragement of learning, the Center facilitates academically challenging teacher preparation programs where the faculty model effective pedagogy. The Center contributes to the education of the whole person through a vision of the educational process as the simultaneous formation of intellect, moral character, the senses and the imagination. The Center's role in the service of faith includes training future Catholic educators as well as cultivating respect in all our future teachers for the rich diversity of faith traditions in our multicultural society. To promote justice, the Center educates our future teachers to be agents of positive social change for all members of global society.

All LMU undergraduates who foresee a career in K-12 teaching, whether enrolling in a formal teacher preparation program or not, are encouraged to contact the Center for Undergraduate Teacher Preparation for support throughout their time at LMU.

## Emphasis

### Secondary Teacher Preparation Program for English

The Secondary Teacher Preparation Program (STPP) for English is designed for students who anticipate teaching English in grades 6-8 or 9-12. Because of the rigorous standards set by the State of California for teacher credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning, however, it is possible to complete an English major, the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for English, and the School of Education credential requirements in four years.

Secondary Teacher Preparation Program for English Major Requirements: English Major Requirements:

Pre-Major/Lower Division Requirements (12 semester hours)

- ENGL 2201 Genres: Poetry *4 semester hours* or
- ENGL 2200 Genres: Drama *4 semester hours* or

- ENGL 2202 Genres: Fiction *4 semester hours*
- ENGL 2203 Histories: British Literature I *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours*

Upper Division (44 semester hours or 11 total courses)

- ENGL 3321 Shakespeare: The Major Plays *4 semester hours or*
- ENGL 3322 Studies in Shakespeare *4 semester hours or*
- ENGL 3323 Shakespeare and Politics *4 semester hours*
- ENGL 3371 American Literature I *4 semester hours or*
- ENGL 3372 American Literature II *4 semester hours*
- ENGL Explorations *4 semester hours*
- ENGL Comparative Literature *4 semester hours*
- ENGL 3375 StreetRead *4 semester hours* (preliminary field exp.) *or*
- ENGL 3376 StreetWrite *4 semester hours* (preliminary field exp.)
- ENGL 5569 Linguistics *4 semester hours*
- ENGL 5574 Rhetoric and Media *4 semester hours*
- ENGL 5565 Theory of Teaching Writing and Literature *4 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*

Electives:

**8 semester hours of 2 Electives**, two electives of extended study in one of the domains. **Two courses taken from one of the domains:** 1) Literature and Language Analysis 2) Language, Linguistics, Literary 3) Composition and Rhetoric or 4) Communications, Speech, Media and Performance.

Additional Required Courses: Communications 4 semester hours) and Creative Arts (3 semester hours) selected from the following:

Communications (4 semester hours):

- CMST 2800 Advanced Public Communication *4 semester hours*

Creative Arts Core (3 semester hours): \*At least one course from the following Theatre courses:

- THEA 110 Beginning Acting *3 semester hours*
- THEA 120 Stagecraft *3 semester hours*

School of Education Requirements:

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*

School of Education Credential Requirements (Non-Degree Requirements):

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by completing 5-8 semester hours of EDES 518 Secondary Teaching Seminar, which are applied toward both the semester hour requirement for the baccalaureate degree in English and the requirements for the preliminary credential within the state of California. Student teaching is met through elective semester hours taken as EDES 518 Secondary Teaching Seminar.

Advising:

Students should consult with the **Director/Advisor for the Secondary Teacher Preparation Program for English**, Dr. Aimee Ross-Kilroy at [aeross@lmu.edu](mailto:aeross@lmu.edu), to sign up for the program and to discuss their course of study, especially their English courses.

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact [cutp@lmu.edu](mailto:cutp@lmu.edu) for more information.

School of Education Admission:

Students interested in adding a preliminary credential in English must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here <http://soe.lmu.edu/academics/cutp>.

Four-Year Plan for the English Major (120 Semester Hours)

Freshman Year

Fall Semester

- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-16 semester hours

Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

- ENGL 2200 Genres: Drama *4 semester hours* or
- ENGL 2201 Genres: Poetry *4 semester hours* or
- ENGL 2202 Genres: Fiction *4 semester hours*

- THEA 110 Beginning Acting *3 semester hours* or
- THEA 120 Stagecraft *3 semester hours* or
- THEA 121 Stagecraft Lab *0 semester hours*

Total: 16-19 semester hours

Sophomore Year

Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- ENGL 3XXX: Comparative *4 semester hours*
- ENGL 2203 Histories: British Literature I *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

Spring Semester

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- ENGL 3XXX: Explorations *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours*
- CMST 2800 Advanced Public Communication *4 semester hours*

Total: 18 semester hours

Junior Year

Fall Semester

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- University Core *3-4 semester hours*
- ENGL 3321 Shakespeare: The Major Plays *4 semester hours* or
- ENGL 3322 Studies in Shakespeare *4 semester hours* or
- ENGL 3323 Shakespeare and Politics *4 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*

- ENGL 3371 American Literature I *4 semester hours or*
- ENGL 3372 American Literature II *4 semester hours*

Total: 18-19 semester hours

Spring Semester

- ENGL 3375 StreetRead *4 semester hours or*
- ENGL 3376 StreetWrite *4 semester hours*
- ENGL 5569 Linguistics *4 semester hours*
- ENGL Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*

Total: 19-20 semester hours

Senior Year

Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- ENGL 5565 Theory of Teaching Writing and Literature *4 semester hours*
- ENGL Upper Division *3-4 semester hours*
- ENGL 5575 The Art of Rhetoric *4 semester hours*

Total: 19-20 semester hours

Spring Semester

- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 518 Secondary Teaching Seminar *3 semester hours*

Total: 9 semester hours

## **Secondary Teacher Preparation Program in Social Science (History)**

The Secondary Teacher Preparation Program (STPP) for Social Science (History) is designed for students who anticipate teaching history and social sciences in grades 6-8 or 9-12. Because of the rigorous standards set by the State of California for teacher credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning, however, it is possible to complete a History major, the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for Social Science (History), and the School of Education credential requirements in four years.

Secondary Teacher Preparation Program in Social Science (History) Major Requirements:

History Major Requirements:

10 courses (40 semester hours), distributed as follows:

- 1 lower-division seminar: HIST 2000, HIST 2050, HIST 2200, HIST 2450, HIST 2500, HIST 2600,

HIST 2700, HIST 2800, HIST 2910 *4 semester hours*

- HIST 4412 History of California *4 semester hours*
- 1 5000-level seminar: HIST 5000-5899 *4 semester hours*
- At least 4 additional upper-division courses: HIST 3xxx, HIST 4xxx, HIST 5xxx
- Students may complete the History major by following either the Generalist Track or the Specialist Track (See the History, B.A. for more information):
  - Generalist Track: 2 courses in each of the three geographical regions (Europe, US, World Regions)
  - Specialist Track: 1 course in each of the three geographical regions (Europe, US, World Regions) **and** 3 courses in one concentration.

#### Social Science Course Requirements:

5 courses (20 semester hours), distributed as follows:

- ECON 1050 Introductory Economics *4 semester hours*
  
- GEOG 1000 Human Geography *4 semester hours* or
- GEOG 2000 World Geography *4 semester hours*
  
- POLS 1200 U.S. Politics *4 semester hours*
  
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
  
- THST 1080 Comparative Theology *4 semester hours* or
- THST 1500 World Religions of Los Angeles *4 semester hours*

#### School of Education Requirements

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*

#### School of Education Credential Requirements (Non-Degree Requirements)

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by

completing 3 semester hours of EDES 518 Secondary Teaching Seminar and 2-5 semester hours of EDES 534 Secondary Clinical Supervision 4, which are applied toward both the semester hour requirement for the baccalaureate degree in Social Science (History) and the requirements for the preliminary credential within the state of California. Student teaching is met through elective units taken as EDES 518 Secondary Teaching Seminar and EDES 534 Secondary Clinical Supervision 4.

### Advising

Students should consult with the **Director/Advisor for the Secondary Teacher Preparation Program in Social Science (History)**, Elizabeth Drummond at Elizabeth.Drummond@lmu.edu, to sign up for the program and to discuss their course of study, especially their History and Social Science courses.

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact cutp@lmu.edu for more information.

### School of Education Admission

Students interested in adding a preliminary credential in Social Science (History) must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here: Undergraduate Teacher Preparation--Secondary Education.

Four-Year Plan for the Secondary Teacher Preparation in Social Science (History) Major:

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar 3 OR 4 semester hours (FFYS Core)
- HIST 1300 Becoming America 4 semester hours or
- HIST 1301 America and the Atlantic World 1450-1850 4 semester hours or
- HIST 1401 The United States and the Pacific World 4 semester hours (EHAP Core)
- POLS 1200 U.S. Politics 4 semester hours (EHBV Core)
- THST 1080 Comparative Theology 4 semester hours (FTHI Core)

Total: 15-16 semester hours

#### Spring Semester

- PHIL 1800 Philosophical Inquiry 4 semester hours (FPHI Core)
- HIST 2300-2499 Lower Division History course for Studies in American Diversity 4 semester hours (EHAP Core)
- RHET 1000 Rhetorical Arts 3 OR 4 semester hours (FRTA Core)
- University Core: Quantitative Reasoning 3-4 semester hours (FQTR Core)

Total: 15-16 semester hours

## Sophomore Year

### Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- HIST Lower Division Seminar (HIST 2000, HIST 2050, HIST 2200, HIST 2450, HIST 2500, HIST 2600, HIST 2700, HIST 2800, HIST 2910) *4 semester hours*
  
- GEOG 1000 Human Geography *4 semester hours* or
- GEOG 2000 World Geography *4 semester hours*
  
- University Core: Creative Experience *3-4 semester hours* (ECRE Core)

Total: 17-18 semester hours

### Spring Semester

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- HIST 4412 History of California *4 semester hours*
- HIST Lower or Upper Division *4 semester hours*
- University Core: Nature of Science, Technology, and Mathematics *3-4 semester hours* (ESTM Core)

Total: 17-18 semester hours

## Junior Year

### Fall Semester

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- HIST Upper Division *4 semester hours*
- HIST Upper Division *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
  
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*

Total: 19 semester hours

### Spring Semester

- HIST Upper Division *4 semester hours*
- HIST Upper Division *4 semester hours*
- University Core: Ethics and Justice *4 semester hours* (IEJT Core)
- University Core: Faith and Reason *4 semester hours* (IFTR Core)

Total: 16 semester hours

Senior Year

Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- HIST 5xxx History Seminar (5000-5899) *4 semester hours*
- University Core: Interdisciplinary Connections *4 semester hours* (IINC Core)

Total: 16 semester hours

Spring Semester

- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 518 Secondary Teaching Seminar *3 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 534 Secondary Clinical Supervision 4 *2 TO 5 semester hours*

Total: 9-12 semester hours

## **Secondary Teacher Preparation Program in Social Science (Political Science)**

The LMU Secondary Teacher Preparation Program in Social Science is designed for students who are seeking history and social science teaching positions in grades 6-8 or 9-12 in school settings that are departmentalized.

This program includes courses both in the Bellarmine College of Liberal Arts and the School of Education, and it leads towards the 2042 Preliminary Single-Subject Teaching Credential granted by the State of California Commission on Teacher Credentialing.

Students are able to complete the LMU Secondary Teacher Preparation Program in Social Science at the same time that they complete a B.A. degree with a major either in History or Political Science. The LMU Secondary Teacher Preparation Program in Social Science has been approved by the California Commission on Teacher Credentialing.

Secondary Teacher Preparation Program in Social Science (Political Science) Major Requirements:

Political Science Major Requirements:

Lower Division Political Science Requirements:

Four (4) courses (16 semester hours) distributed as follows:

- POLS 1200 U.S. Politics *4 semester hours*
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*

- POLS 2000 Foundations of Political Theory *4 semester hours*
- POLS 2100 Empirical Approaches *4 semester hours*

Upper Division Political Science Requirements:

Six (6) courses (24 semester hours) distributed as follows:

- One (1) United States Politics course *4 semester hours*
- One (1) Comparative Politics course *4 semester hours*
- One (1) International Relations course *4 semester hours*
- Two (2) additional POLS upper-division courses *8 semester hours*
- One (1) 5000-level POLS seminar *4 semester hours*

History Course Requirements:

Lower Division History Requirements:

Three (3) courses (12 semester hours) distributed as follows:

- One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*
- One (1) European HIST course *4 semester hours*
- One (1) United States HIST course *4 semester hours*

Upper Division History Requirements:

Five (5) courses (20 semester hours) distributed as follows:

- HIST 4412 History of California *4 semester hours*
- One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*
- One (1) European HIST course *4 semester hours*
- One (1) United States HIST course *4 semester hours*
- One (1) additional upper-division HIST course *4 semester hours*

Social Science Course Requirements:

Three (3) courses (12 semester hours) distributed as follows:

- ECON 1050 Introductory Economics *4 semester hours*
- GEOG 1000 Human Geography *4 semester hours* or
- GEOG 2000 World Geography *4 semester hours*
- THST 1080 Comparative Theology *4 semester hours* or
- THST 1500 World Religions of Los Angeles *4 semester hours*

Education Requirements:

30 or 33 semester hours, distributed as follows:

- EDUR 400 Sociocultural Analysis of Education *3 semester hours*
- EDSP 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs *3 semester hours*
- EDCE 412 Secondary Directed Teaching *9 TO 12 semester hours \**

Note:

Courses marked \* cannot be taken prior to formal acceptance into the School of Education.

School of Education Teacher Performance Assessment (TPA) Coursework for the Secondary-Level Teaching Credential:

- EDCE 461 Teaching Performance Assessment 1 *0 semester hours*
- EDCE 462 Teaching Performance Assessment 2 *0 semester hours*
- EDCE 463 Teaching Performance Assessment 3 *0 semester hours*
- EDCE 464 Teaching Performance Assessment 4 *0 semester hours*
- EDES 8000 Health Education *1 semester hours*

Total STPP in Social Sciences: 117-120 semester hours

Note:

Because it would be very difficult for a student with a Political Science Major to complete all of the POLS, additional STPP, and University Core course requirements in 8 undergraduate semesters, students should plan to either complete some of the required courses during a 9th undergraduate semester, during summer sessions, or by completing graduate-level education courses in a School of Education program.

Contact Dr. Lance Blakesley at [lblakesl@lmu.edu](mailto:lblakesl@lmu.edu), University Hall 4127, 310.338.7377. Also, contact the Center for Undergraduate Teacher Preparation (CUTP) at [cutp@lmu.edu](mailto:cutp@lmu.edu), University Hall 3346, 310.258.8806.

## **Secondary Teacher Preparation in Art**

Secondary Teacher Preparation in Art

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for teaching careers in California schools at the secondary level (grades 6-12). Students interested in earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Secondary Education (SEED), and the requirements for a single subject credential in Art (SECR). With the help of their advisor, students can carefully design a schedule to complete the program during their four years at LMU. Students who seek graduation with an Art Education Emphasis and a teaching credential should ideally declare the Art Education Emphasis as a freshman.

The LMU Secondary Teacher Preparation Program in Art is approved by the California Commission on Teacher Credentialing. The Department of Art and Art History is a fully accredited member of the National Association of Schools of Art and Design.

Students should consult with the Director/Advisor of Secondary Teacher Preparation Program in Art, Professor Terry Lenihan ([tlenihan@lmu.edu](mailto:tlenihan@lmu.edu) 310.338.4409) to sign up for the program and to discuss their course of study.

Please contact the School of Education at [soeinfo@lmu.edu](mailto:soeinfo@lmu.edu) for information about all available Secondary Teacher Preparation Programs (STPP). All students interested in teaching Art in middle schools or high schools should meet with their departmental advisors as soon as possible and must also attend a mandatory School of Education Undergraduate Information Session. Please call 310.338.7845 to obtain the next scheduled meeting time and to confirm attendance. The advisor for STPP students regarding the School of Education is Michael Cersosimo ([Michael.Cersosimo@lmu.edu](mailto:Michael.Cersosimo@lmu.edu), 310.258.8806).

The Center for Undergraduate Teacher Preparation (CUTP) is also available to assist students interested in teaching careers in both secondary and elementary education. Please contact Dr. Annette Pijuan Hernandez, Senior Director and Associate Clinical Professor (Annette.Hernandez@lmu.edu, 310.258.8806). CUTP is located in UH 3346, 310.258.8806.

Major Requirements for a Major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE)

#### Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take HIST 1300 Becoming America.

#### Lower Division Requirements

24 semester hours of lower division courses:

- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
  
- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 278 Ceramics I: Earth and Art *3 semester hours* or
- ART 280 Photography I *3 semester hours* or
- ART 285 Introduction to Printmaking *3 semester hours* as the foundation for the Studio Arts Focus. \*

#### Upper Division Requirements

27 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
  
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  
- ART 455 Methods in Teaching Secondary Art *3 semester hours*
  
- ART 490 Senior Design Thesis *3 semester hours* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours (must take for 3 semester hours)*
  
- 9 semester hours of upper division ART electives \*
- ARHS 4630 Contemporary Art *4 semester hours*

A non-Western Art History course or any non-Western course:

- ARHS 3311 Pre-Columbian Art *4 semester hours*
- ARHS 3331 Arts of Africa *4 semester hours*
- ARHS 3341 Arts of Islam *4 semester hours*
- ARHS 4301 Arts of India *4 semester hours*
- ARHS 4303 Arts of China *4 semester hours*
- ARHS 4307 Arts of Japan *4 semester hours*
- ARHS 4998 Special Studies *1 TO 4 semester hours*

Note:

**\*Studio Arts Focus Requirement**

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts Focus. Courses must be selected under the advisement of the Director of Art Education.

**Teacher Preparation Programs in Biology, Chemistry, and Mathematics**

The Frank R. Seaver College of Science and Engineering offers subject matter preparation programs in mathematics and in science specifically designed to meet State of California subject matter requirements for a secondary teaching credential. Both the Bachelor of Arts degree in Mathematics (see the Mathematics section) and the Bachelor of Arts degree in Biology (see the Biology section) are designed to allow completion of the 2042 California Preliminary Single Subject (Secondary) credential in four years, although this may require some summer coursework. These programs are offered in conjunction with the Center for Undergraduate Teacher Preparation and the School of Education. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Bellarmine College of Liberal Arts part of the University Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible and should also contact the Center for Undergraduate Teacher Preparation and the School of Education to arrange a time to attend an Undergraduate Information Session.

**Secondary Teacher Preparation Program for Spanish**

Students interested in obtaining a Spanish secondary teaching credential for the State of California must fulfill the requirements for the Spanish major and take two additional Spanish courses: SPAN 4252 and SPAN 4474 or their equivalents. They will also have to take courses and do their teaching practice under the School of Education. To complete all requirements in four years, Spanish majors are encouraged to start this process early by contacting the Center for Undergraduate Teacher Preparation (CUTP) to learn about the School of Education requirements.

For additional information, contact Professor Alicia Partnoy, STPP-Spanish Director.

LMU Extension

**Introduction**

At LMU Extension, we believe education is the solution to navigating a world of change. As such, our goal is to provide adult learners--at whatever stage of life they may be--with adaptable opportunities for the development of their imagination, conscience, and intellect, whether it is on the campus, in the community, or online. With nearly 130 professional certificate programs and over 700 courses, in a variety of subjects

and delivery methods, there is something for everyone at LMU Extension.

Let us help you open new doors, inspire new ways of thinking, explore hidden talents, and awaken a renewed sense of purpose.

## Contact Information

Location: University Hall, Suite 1840

Email: [extension@lmu.edu](mailto:extension@lmu.edu)

Phone: 310.338.1971

Fax: 310.338.2706

Office Hours: Monday-Friday, 8:00 a.m.-5:00 p.m.

## Institutional Accreditation

Accreditation--a seal of approval by professional peers--indicates that an institution or program meets the quality standards of the group conferring the accreditation. Loyola Marymount University is regionally accredited by the Western Association of Schools and Colleges (WASC). All programs and coursework offered by LMU Extension are developed and facilitated in accordance with rigorous academic standards.

### Program-specific Accreditation

- Western Association of Schools and Colleges (Degree Completion Program)
- California Consortium of Addiction Programs and Professionals--Education Institute (Alcohol and Drug Counseling Program)
- International Association of Yoga Therapists (Yoga Therapy Program)

For a complete list of the university's accrediting organizations, visit <https://www.lmu.edu/about/accreditation>.

## Academic Credit

LMU Extension is not a degree-granting unit. Academic credit is awarded by LMU Extension as semester hours, however this credit is not equivalent to semester hours in the degree-granting units of the greater University. There are three major groupings of courses: Professional Development, Continuing Education and Personal Enrichment. The department rubric ends in the letter 'X' and the courses are numbered 800 through 999.

The first grouping is Professional Development courses in a certificate or professional development program with identifiable subject areas or in particular disciplines, e.g., EDUX for teacher education. These are offered under a departmental rubric and carry University semester hours of continuing education/professional development credit. The second grouping is Continuing Education courses with academic content falling outside the normal undergraduate or graduate offerings. Such courses and programs are offered under the rubric CNTX. Credit is recorded in semester hours; 1.0 semester hour represents 10 continuing education contact hours. The third grouping is personal enrichment courses covering a variety of activities of interest to the community.

## Continuing Education Units (CEUs)

**For Legal Professionals:** Loyola Marymount University certifies that certain activities identified in the catalog have been approved for Minimum Continuing Legal Education (MCLE) credit by the State Bar of

California for the hours listed for those courses.

**For Nursing Professionals:** Loyola Marymount University is approved by the California Board of Registered Nursing, CEP 12698, to offer continuing education credit.

**For Psychologists, Counseling Professionals, and Social Workers:** Loyola Marymount University is approved by the California Board of Behavioral Sciences to provide CEUs for psychologists, counselors, MFTs, and LCSWs.

## Transferring Credit

Some LMU Extension courses may qualify for academic credit at other colleges and universities. The transferability and equivalency of such credit, or articulation, is solely determined by the institution to which you are applying. Course descriptions and learning outcomes are taken into consideration. Be sure to have your course description and syllabus available in case it is requested.

## Degrees, Programs, and Courses

Theological Studies Degree Completion Program

LMU Extension Online Catalog

### Bachelors

#### Theology, B.A.

Description

This is a three-year, cohort-model program designed for working adults. Cohort means that all students enrolled in the program must take all 16 courses, in the order that those courses are offered, in order to graduate with a B.A. All enrolled students will adhere to the same schedule for all three years of the program.

Classes will be held at Aquinas High School in San Bernardino.

The Theological Studies major in this program introduces students to the pastoral and theological tradition of the Church; both content and context are the hallmarks of this approach:

The content of what the Church teaches (for example, Biblical theology, the Church's theology in historical perspective, theological ethics, major theological theme)

The context in which the Church carries out its mission (for example, world religions of Los Angeles, U.S. Latina/o Theology, missionary disciples, major theological thinker)

Finally, the major is rounded out with courses that explore how the Church practices its ministry (ministry and pastoral leadership, and contemplatives in action). In the process, students learn how to analyze texts, think and write critically, and integrate reason and faith.

Major Requirements

Students must complete 60 semester credit hours of coursework, in good academic standing, to receive the Bachelor of Arts degree. This includes 40 credit hours of Theological Studies coursework, 16 credit hours of Core (general education) coursework, as well as an introductory course and a capstone course.

## Required Coursework

- EDUZ 9000 Introduction to Degree Completion *2 semester hours*
- THSZ 9000 Introduction to Biblical Theology and Interpretation *4 semester hours*
- THSZ 9002 Missionary Disciples: Exploring the Catholic Pastoral-Theological Tradition *4 semester hours*
- THSZ 9001 World Religions of Los Angeles *4 semester hours*
- THSZ 9009 History of Christian Theology *4 semester hours*
- THSZ 9007 U.S. Latino/a Theology *4 semester hours*
- THSZ 9003 Ministry and Pastoral Leadership *4 semester hours*
- THSZ 9004 Contemplatives in Action: Psychology, Spirituality, and Liberation *4 semester hours*
- THSZ 9005 Topics in Theological Ethics *4 semester hours*
- THSZ 9006 Major Theological and Religious Thinker *4 semester hours*
- THSZ 9008 Major Theological and Religious Theme *4 semester hours*
- HISZ 9000 Chicana/o History *4 semester hours*
- APAZ 9000 Immigration and Los Angeles *4 semester hours*
- ECOZ 9000 Economics and Ethics *4 semester hours*
- ENGZ 9000 The Literature of the New Land: American Expatriate Writers *4 semester hours*
- THSZ 9010 Pastoral Intergration *2 semester hours*

# Academic Degree Requirements and Policies

**Students are held individually responsible for information contained in these pages. Failure to read and understand these regulations will not excuse a student from their observance.**

All regulations and rules or procedures contained in this official University Bulletin apply to undergraduate and graduate programs. Questions in individual cases should be presented through written petition to the appropriate dean.

A student is held responsible for academic regulations in effect at the time of entrance, provided the student maintains continuous enrollment. Similarly, a student who changes programs or majors after being admitted to the University is held responsible for the academic regulations in effect at the time the program or major is changed. A student who interrupts academic enrollment is subject to the academic regulations in effect in the University Bulletin at the time enrollment is resumed.

For non-academic matters, all students are governed by the Loyola Marymount University Student Conduct Code found in the Community Standards booklet. The booklet can be found on MyLMU (<http://my.lmu.edu>).

## Academic Advising

Students are assigned a faculty academic advisor within their major or college. LMU offers an advising model based on a close student/faculty advisor relationship. This relationship offers assistance to students in achieving educational, career, and personal goals through the use of the full range of institutional resources.

In order to make the best of advising appointments, students are encouraged to become familiar with the degree requirements, coursework within the major, and other information about academic policies. LMU students must be pro-active in understanding the academic requirements, policies, and procedures which affect their studies and path to graduation. Students are further encouraged to come with well-developed questions for the advisor.

As part of the registration process, students meet with their advisors, who may conduct degree audits to assess progress toward completing degree requirements. Exceptions to University policy and changes to established degree coursework must be approved as exceptions by the Chairperson of the Department or Director of the Program and documented on a degree audit adjustment form (change to the student's degree audit). This form must then be signed by the student's Associate Dean's Office and submitted to the Office of the Registrar.

## Academic Calendar

The University offers two fifteen-week semesters plus a week of final examinations for each semester and two six-week summer sessions that include final examinations.

## Academic Program

An academic program is a combination of courses and related activities organized for the achievement of specific learning outcomes as defined by the University. This includes programming at the undergraduate and graduate levels and consists of degrees, majors, minors, concentrations, and certificates.

A degree program is an academic program of study leading to a Bachelor's, Master's, or Doctoral degree. All degree programs require a minimum number of semester credit hours in addition to the requirements of the University, College, or School, and the academic major Department. (See Degree Requirements.)

## Academic Major

An academic major indicates a particular curriculum which leads to a degree. Students must complete the requirements for a primary academic major, including the University Core Curriculum and college or school requirements, to be eligible for a degree. Requirements for academic majors can be found under the departmental listings in the chapters for each respective college or school. Some academic majors have concentrations which are a sub-set of a discipline, organized in clusters, of focused courses taken within a major.

Students normally declare a major at the time of application to the University. If a student is unsure about choosing a major, some colleges may allow for an undeclared status within that College. This option is at the discretion of the College or School. Under normal conditions, an undergraduate student has decided on a particular major prior to earning 60 semester hours of credit.

## Second Academic Major

Students may declare a second academic major in addition to their primary major by obtaining the approval of the department chair of the major and the Associate Dean in that college.

A second academic major may be earned only while the student is concurrently completing the requirements for the baccalaureate degree in the primary academic major. A student must successfully complete all requirements for the second academic major prior to, or in the same term as, the primary major. A second major may not be granted after a degree has been posted. If a student decides to drop a second academic major, the student must submit a Change of Program to the Office of the Registrar.

## Academic Minor

Undergraduate students may declare an academic minor from among the LMU departmental minors. Students who wish to declare an academic minor must obtain the approval of the department chair or program director of the minor and submit a Change of Program to the Office of the Registrar. Some minors may require an application process and are limited based on space available; some may also require the signature of the Associate Dean of the College or School.

To earn an academic minor, a student must complete all requirements of the minor as prescribed either before or at the time of the awarding of the degree in the primary major. Minors may not be earned after the awarding of the primary degree. If a student decides to drop a minor, he or she must submit a Change of Program with the relevant signatures to the Office of the Registrar.

In addition to the requirements of the department of the minor, a student must also meet the following for an academic minor:

1. At least half of the upper division semester hours of the minor program must be completed in residence at LMU.
2. A student who declares a minor is held responsible for the academic regulations specified in the Bulletin and in effect at the time the minor is declared. Each department offering a minor program lists specific semester hour requirements.
3. A student must have a minimum cumulative grade point average of C (2.0) for courses taken in the minor program.
4. Courses may not count as fulfilling both a major and minor program, unless both programs require the specific course.

## Non-Degree Status

### Undergraduate

- Undergraduate non-degree students wishing to take undergraduate courses at the University on a non-degree basis during the Fall or Spring semester must file an application with the Office of Undergraduate Admission in accordance with regularly stated deadlines. Proof of eligibility to study at the University will be required, including transcripts or

other appropriate documents. Non-degree students must meet all course requirements for registration and will be allowed to study for a period of no more than three semesters or a total of 18 semester hours, whichever occurs first.

- Non-LMU students and incoming freshmen and transfer students who wish to take undergraduate courses at the University during one or both Summer terms must submit an Application for Summer Registration with the Office of the Registrar. Although these students have non-degree status for summer, incoming freshmen and transfer students may apply these courses towards LMU degree requirements. Non-degree students must meet all course requirements for registration; proof of eligibility, such as transcripts or other appropriate documents, may be required.
- Undergraduate non-degree students may register only in courses numbered 100-599 and courses numbered 1000-4999. An undergraduate may not register in the School of Education.
- Admission to the Undergraduate non-degree status does not guarantee admission to undergraduate degree programs or credential recommendation.

### **Graduate**

- Graduate non-degree students wishing to take graduate courses at the University must file an application with the Office of Graduate Admission in accordance with regularly stated deadlines. Proof of eligibility to study at the University will be required, including transcripts or other appropriate documents.
- Non-degree graduate students may take more than two courses while in the non-degree status; however, only two courses taken in the non-degree status may apply toward a degree or credential. A student should consult the appropriate Graduate Program Director about the applicability of non-degree courses to a degree program. Non-degree students must meet all course requirements for registration; proof of eligibility, such as transcripts or other appropriate documents, may be required. Graduate non-degree students may register for 500-, 600-, 5000-, 6000-, and 7000-numbered courses. Non-degree students must meet all course requirements for registration.
- Admission to the Graduate non-degree status does not guarantee admission to degree candidacy or credential recommendation.

## **Academic Standing**

### **Good Standing**

A student must maintain in each semester the stated minimum cumulative grade point average for each of the requirements in the degree program and may not be on academic probation or subject to disqualification. The calculation of standing is based on all courses taken at LMU:

- Undergraduate students must maintain a C average (2.0) in term, major, program, and cumulative GPA. The calculation is based upon courses taken in Fall and Spring semesters only.
- Graduates must maintain a B average (3.0) in term, major, program, and cumulative GPA. The calculation is based upon courses taken in Fall, Spring, and Summer semesters.

## **Academic Disqualification**

Undergraduate and graduate students are subject to disqualification if, in two consecutive semesters on probation, their term, major or cumulative grade point average on all courses falls below the stated career requirement. The first semester in which an undergraduate or graduate student is placed on probation is the first of the consecutive semesters used to determine the student being subject to disqualification.

- Undergraduate disqualification is based upon two consecutive semesters (Fall or Spring) in which work of less than a grade of C (2.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are not used to calculate if an undergraduate is subject to disqualification.
- Graduate disqualification is based upon two consecutive semesters (Fall, Spring, or Summer Sessions) in which work of less than grade of B (3.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are used to calculate if a graduate student is subject to disqualification.

- Executive MBA Program: a student who receives a failing grade in any of the prescribed courses will be subject to immediate dismissal.

Disqualification terminates a student's relationship with the University for a minimum of one year. A disqualified student may not register in any division or session of the University and is denied all privileges of the University and of all organizations or activities in any way connected with it.

## Appeal of Disqualification

- Undergraduate students who wish to appeal a disqualification must submit a written request to the Dean of the College. The decision of the Dean is final.
- Graduate students who wish to appeal a disqualification must submit a written request to the Chair, Program Director, or Dean of the student's college or school. If the appeal process cannot be resolved, an impartial three-person faculty panel will be assigned by the Chair of the Graduate Council to review the request. The panel will individually interview the faculty person and the student. After the interviews, review, and discussion, the panel will submit a formal decision to the Chair of the Graduate Council, whose decision will be final.
- Graduate students in the School of Education should appeal directly to the Program Coordinator. If the appeal cannot be resolved, the issue will then be submitted to the Associate Dean, and if necessary, the Dean.

## Readmission after Disqualification

Disqualified undergraduate and graduate students are not eligible for readmission to the University until one calendar year has elapsed since the disqualification. Undergraduate and graduate students who wish to return to LMU after disqualification must make an appointment with their Dean. The Dean will determine if a student is eligible to return and either grant or deny permission to seek readmission to the University. If allowed to attend LMU after a disqualification, the student must submit an application for admission through the appropriate Admission Office.

1. A disqualified student who is readmitted will be on strict probation, which requires that the student must satisfactorily complete all requirements set by the Dean in the initial semester after readmission.
2. A student who has been disqualified a second time may not apply for readmission.

## Academic Probation

Undergraduate and graduate students are subject to academic probation if their term, major, program, or cumulative grade point average on all courses taken at LMU is lower than the following:

- Undergraduates: C average (2.0) in term, major, program, or cumulative GPA
- Graduates: B average (3.0) in term, major, program, or cumulative GPA

Academic probation constitutes a serious warning to students that their academic performance is unsatisfactory and continued failure to improve this record may result in being disqualified from the University. Additionally, a student who does not make satisfactory progress in the course of study is subject to probation. Academic probation does not prohibit the student from returning as an enrolled student for the subsequent semester, nor does it necessarily prohibit the student from participating in University-sanctioned events. However, the Dean or Director may impose restrictions on students on probation regarding the program of study and their participation in extracurricular activities at LMU.

## Attendance

Class attendance expectations and consequences for absences from class are left to the discretion of individual instructors and shall be announced by the faculty member at the first class meeting or listed on the class syllabus. Students are accountable for all course assignments, whether or not the assignments were announced during an absence.

In order for a student to earn academic credit for a course, he/she must be enrolled officially in the course. Students who are not registered in a class are not allowed to attend a course, submit coursework, or take an exam including the final exam.

## **Change of Academic Major/Concentration/Minor**

### **Undergraduate**

Entering freshmen and transfer students are admitted to the University in their academic major of choice at application. A change of academic major or emphasis/concentration in the major within the same school or college may be limited by the availability of space within the requested major and requires the approval of the department chair and the Associate Dean of the College or School.

A student must also be signed out of the current major by obtaining the approval of the department chair of the current major as well as the Associate Dean of the College or School. If a student decides to change an academic minor, he/she must submit a Change of Program to the Office of the Registrar.

Changes in majors, which involve the changing of a School or College, may be limited by the availability of space within the school and/or the specific academic major. Students wishing to change colleges or schools must meet the respective admittance criteria and complete the application process specified by that College or School. The decision of the Associate Dean of the College or School is considered final. Upon acceptance into the new major, emphasis, or minor, the student must submit a completed Change of Program to the Office of the Registrar.

### **Graduate**

Graduate students are admitted to a specific program consisting of a degree and major within a College or School. Graduate students who wish to change a degree program must apply for the new program through Graduate Admissions. A student who wishes to change from one emphasis/concentration to another within a program before completing a degree must request approval from the Program Director. Students must submit a completed Change of Program to the Office of the Registrar.

## **Change of Address**

Students may change their permanent, mailing, and billing addresses through PROWL. Students must update their emergency contact information through PROWL. International students are required to notify the Office of International Students and Scholars if wishing to change their permanent address. The University assumes no responsibility for materials sent through the mail or email not received.

## **Commencement**

### **Ceremonies**

The University grants degrees three times per year: at the end of the Summer (August 31), Fall (December 31), and Spring (May) terms. LMU celebrates its Commencement Ceremonies only at the end of the Spring semester.

LMU honors at the Commencement Ceremonies its newest graduates with a celebration of achievement for family and friends. Participation is granted to those students who will be receiving their degrees in one of five terms: the previous Summer and Fall as well as Spring, Summer, and Fall of the Commencement year. Participation in the honorary ceremony does not mean that a degree has been awarded.

# Classification of Undergraduate Students

The classification of undergraduate students is determined by the number of semester hours completed at LMU with passing grades and, if applicable, accepted transfer work.

Lower-division students are considered:

- Freshmen if they have satisfied entrance requirements and completed fewer than 30 semester hours
- Sophomores when they have completed at least 30 but fewer than 59 semester hours

Upper-division students are considered:

- Juniors when they have completed at least 60 but fewer than 89 semester hours
- Seniors when they have completed at least 90 semester hours

## Concurrent Enrollment

Concurrent term enrollment by LMU degree-seeking undergraduate students at another institution for the purpose of transferring credits is not permitted.

## Course Information

### Classification of Courses

This section contains a list of symbols for all courses offered at the University.

#### Undergraduate Courses

- 000-099: Courses offered in this number range do not carry degree-granting credit.
- 100-299: Lower division undergraduate courses with degree-granting credit
- 300-499: Upper division undergraduate courses with degree-granting credit
- 500-599: Upper division undergraduate courses in which graduate students may enroll and receive graduate credit. Undergraduate students may not enroll in 500-level courses offered by the School of Education.
- 1000-2999: Lower division undergraduate courses with degree-granting credit
- 3000-4999: Upper division undergraduate courses with degree-granting credit

#### Graduate Courses

Only students accepted into the Graduate Division may register for these courses.

- 600-699: Graduate courses with degree-granting credit
- 5000-6999: Graduate courses with degree-granting credit
- 7000-7999: School of Education Doctor of Education courses with degree-granting credit
- 8000: School of Education required course for credential program

#### Extension Courses

- 800-999: LMU Extension courses. Courses offered in this number range do not carry LMU degree-granting credit.
- 9000-9999: LMU Extension courses with degree-granting credit

## Course Audit

After the registration period and space permitting, enrolled students may be permitted to register as auditors only for exceptional reasons and with the authorization of the Dean of the college or school of the course. Not all courses are open to auditors.

Auditors are not held responsible for the work expected of regular students and receive no grade or credit for the course. Regular attendance at class is expected.

A student who has previously enrolled as an auditor may not take the course for credit in the subsequent term except by special permission of the Dean of the college or school in which the course is offered. Individuals may not be formally admitted to the University to audit courses only. Enrolled LMU students may not enroll as auditors in a regularly scheduled LMU course through LMU Extension.

## Course Challenge

A student may request credit by examination for selected courses provided that the student meets all eligibility requirements of the course. It is the responsibility of the student to arrange for a credit by examination, including a faculty member willing to administer the challenge, as then approved by the course Chairperson and student's Dean. A course may be challenged only once.

### Undergraduate

- To challenge an undergraduate course by examination, a student must be regularly enrolled and a full-time student. Students may not challenge a course that is at a level more elementary than one in which they are currently enrolled or for which they have already received credit. Students may not challenge a course for which they have previously registered until a period of one year has elapsed from the time of their original registration in the course. A challenge examination once failed may not be repeated. 1000- and 2000-level courses in the Department of Modern Languages and Literatures may not be challenged.

### Graduate

- If the student passes the challenge exam, that is equivalent to waiving the course requirement but not the total unit requirement for the degree.

## Course Load

In a Fall or Spring semester, the normal load for full-time, degree-seeking undergraduate students in good standing from the previous semester is 15-18 semester hours. For summer, undergraduate students in good standing may register for up to eight semester hours per session; six semester hours is considered full-time for summer.

## Course Terminology

- Core courses are identified as fulfilling the University Core requirements.
- Major courses are identified as fulfilling the academic major requirements.
- Minor courses are identified as fulfilling the academic minor requirements.
- Elective courses are identified as not fulfilling core, major, or minor requirements, but do fulfill overall semester hours requirements.

## Cross-Listed Courses

A cross-listed course is one that carries credit in more than one department or program. Students may not enroll in more than one section of a cross-listed course and may receive credit in one department only.

## Special Studies/Independent Studies/Tutorial Courses

### Special Studies

Courses whose numbers have as the last two digits "98" are Special Studies. These courses have a special syllabus and description not listed in the Bulletin. They can be held in a lecture, discussion, or seminar format at a specified or arranged time and place for a group of students. Each department sponsoring Special Studies courses maintains these course descriptions.

### Independent Studies

Courses whose numbers have as the last two digits "99" are Independent Studies. This is an individualized study arranged by a student with a full-time faculty member and approved by the Chairperson of the Department and the Dean. An Independent Studies course is considered part of the student's semester program. Registration for such courses takes place only during the regular registration periods.

These courses are for the educational enrichment of the student particularly qualified for the kind of experiences that are beyond the scope of a regular course. Under the supervision of a faculty member, the work will be of research or similarly creative nature and will normally culminate in a project or examination. Freshmen, first-semester transfer students, and part-time undergraduates are not eligible.

Most graduate programs will allow graduate students to take no more than two classes as independent study. Consult the individual Program Director for future information and limitations.

### Tutorials

A course tutorial is an option to register for an LMU course which is not otherwise offered in the term. Students may individually arrange with a faculty member to take the course as a tutorial. The tutorial must be based on an existing LMU course and all arrangements for the tutorial are the responsibility of the student. A tutorial course is considered part of a student's semester program. Registration for it takes place during the regular registration periods. Only full-time students are eligible, and approval will be given for only one tutorial course per semester. Freshmen and first-semester transfer students are not eligible. Approval of the Department Chair and Dean's Office is required.

## Dean's List

The Dean's List is an honorary academic acknowledgment for undergraduate students which is printed on the transcript at the end of the Fall and Spring semesters. The list consists of full-time, degree-seeking undergraduate students who must have in a term:

- Completed all courses, with minimum of 14 semester hours at LMU
- Received letter grades in at least 12 semester hours of which none is an "F"
- Earned a cumulative term grade point average of 3.50 or higher

## Degree Requirements

### Baccalaureate Degree Requirements

Candidates for an undergraduate degree at Loyola Marymount University must complete all requirements for a bachelor's degree as set forth by the University, their college or school, and academic departments or programs. Failure to understand those requirements does not relieve a student of his or her responsibility.

All candidates for a baccalaureate degree at LMU must fulfill the following requirements:

1. For the primary academic major complete a minimum of 120 semester hours, including core curriculum, program requirements, and 45 semester hours of upper-division course work. Certain programs require more than 120 semester hours and are under the appropriate department listings.
2. All courses taken at LMU must have a cumulative grade point average of C (2.0). All courses taken in the major, minor, or area of concentration must have a cumulative grade point average of C (2.0). To satisfy a Core requirement (other than a flag requirement), a course must be completed with a grade of C- or better. To satisfy a flag requirement, a course must be completed with a grade of D or better.
3. Fulfill the requirements for any declared academic secondary major or primary or secondary minor, including those set forth by the department and/or College or School.
4. At least 30 of the last 36 semester hours for the bachelor's degree must be taken in residence at LMU. At least two-thirds of the upper division semester hours of the major must be taken in residence at LMU, unless, for programmatic purposes, the Dean and the Chair of the major department deem an exception appropriate.
5. Fulfill the academic regulations printed in the University Bulletin in effect at the time of entrance or for those in effect in the senior year provided the student maintains continuous enrollment for the length of the degree program. A student who changes his or her program of study subsequent to admission to the University may be held responsible for the academic regulations in effect at the time of the declaration or change. A student who interrupts LMU enrollment for more than two years is subject to the academic regulations in effect in the University Bulletin at the time of readmission.
6. Fulfill the requirements specified in Baccalaureate Graduation Requirements and Degree Conferral.

## **Baccalaureate Graduation Requirements and Degree Conferral**

The date of degree posted on a student's diploma is the one by which all graduation requirements are completed or documents are submitted--specifically the respective Commencement Weekend dates, August 31, or December 31. These requirements include:

1. Submitting an Application for Degree form to the Office of the Registrar by the stated deadline in the term in which all academic and graduation requirements will have been met. If a student is canceled for graduation in a given term, the student must submit a new Application for Degree form for a subsequent graduation term.
2. The completion of all incomplete work required for the degree prior to the degree date of that term. A grade of Incomplete in a required course at the time of degree posting renders the student ineligible for that degree date.
3. Students who have taken coursework at other institutions must submit an official transcript showing the graded course(s) and transfer course approval form (if not previously submitted) to the Office of the Registrar no later than 30 working days after the end of the LMU semester. The transfer course(s) must be completed in a term which ends prior to the degree date.

## **Second Baccalaureate Degree Requirements**

1. The pursuit of a second baccalaureate degree is not allowed unless a student already possesses an earned bachelor's degree prior to commencing the second bachelor's program.
2. An LMU student may not be enrolled in a primary degree program and concurrently begin a second bachelor's program.
3. The major program of the second bachelor's degree must be different from the first major.

All candidates for a second baccalaureate degree at LMU must fulfill the following requirements:

- Already possess an awarded bachelor's degree from an accredited institution.
- Complete a minimum of 30 semester hours at LMU beyond those required for the first degree; these must include at least 24 semester hours of upper division work and at least 20 semester hours of upper division work in the major field of study.

- Fulfill the core requirements of the College or School in which the major is offered.
- Satisfy all the requirements for the major.
- Fulfill the requirements specified in the Baccalaureate Graduation Requirements and Degree Conferral.

## Graduate Degree Requirements

Candidates for a graduate degree at Loyola Marymount University must complete all requirements for a master's or doctoral degree as set forth by the University, their college or school, and academic departments or programs. Failure to understand these requirements does not relieve a student of his or her responsibility. All candidates for a graduate degree at LMU must fulfill the following requirements:

1. For a master's degree, complete a minimum of 30 graduate semester hours (500, 600, 5000, and 6000 level) beyond an earned baccalaureate degree. A minimum B (3.0) cumulative grade point average is necessary to qualify for completion of a program. See individual program descriptions for specific and additional graduation requirements.
2. For a doctoral degree in Education, complete a minimum of 52 graduate semester hours (7000-level courses) beyond an earned master's degree. A minimum B (3.0) cumulative grade point average is necessary to qualify for completion of a program. See individual program descriptions for specific and additional graduation requirements.
3. The normal time allowed for the completion of graduate degree programs is five years. A student who has not completed the degree within five years must request an extension of time. If the extension is granted by the Dean of the student's college or school, the student may be required to undertake additional coursework. Some departments have a shorter limit for the completion of the program; see individual program descriptions for further information.
4. Fulfill the requirements specified in Graduate Graduation Requirements and Degree Conferral.

## Graduate Graduation Requirements and Degree Conferral

The date of degree posted on a student's diploma is the one by which all graduation requirements are completed or documents are submitted, specifically the respective Commencement Weekend dates, August 31, or December 31. These requirements include:

- Submitting a completed Application for Degree to the Office of the Registrar by the stated deadline in the term in which all graduation requirements will have been met. If a student is canceled for graduation in a given term, the student must submit a new Application for Degree for the appropriate graduation term.
- The completion of all incomplete work required for the degree prior to the degree date of that term. A grade of Incomplete in a required course at the time of graduation renders the student ineligible for that degree date.
- Students who have taken coursework at other institutions must submit an official transcript showing the graded course(s) and transfer course approval form (if not previously submitted) to the Office of the Registrar no later than 30 working days after the end of the LMU semester. The transfer course(s) must be completed in a term which ends prior to the degree date.

## Diplomas

Diplomas are granted and mailed to students who have completed all academic degree requirements and who have no outstanding financial obligations to the University.

## Double Credit

### Undergraduate

- A student may not count a course as fulfilling both a major and minor program, unless both programs require the specific course. A student may not count the same course to meet the requirements for both an undergraduate and graduate degree.

#### **Graduate**

- A student who wishes to enroll for a second Master's degree in the School of Education may apply up to three core courses towards a second Master's degree. For other graduate programs, no more than two courses may be counted toward a second degree upon prior approval from the respective Deans' offices.

## **Enrollment**

Students must be officially registered via PROWL for all classes in accordance with the regulations, procedures, and dates published in the Schedule of Classes and the University Bulletin. Registration is subject to full payment of tuition, room and board charges, and other fees associated with enrollment. The University reserves the right to deny registration to any student for reasonable cause.

## **Final Examinations**

Students are required to take all scheduled examinations. Final examinations are to be held at the time published by the Office of the Registrar. No student is allowed to take a final examination before the scheduled time.

## **Full-Time Standing**

An undergraduate student enrolled for 12 or more semester hours in a Fall or Spring semester or 6 or more semester hours in a Summer session is considered a full-time student. Students taking fewer than the stated amount above are considered part-time and may not qualify for all University activities and benefits, such as eligibility for financial aid, on-campus housing, and intercollegiate athletic competition.

A graduate student enrolled for 6 or more semester hours in a Fall, Spring, or a single Summer session is considered a full-time student. Graduate students taking fewer than 6 semester hours are considered part-time. Doctoral students completing the dissertation are full-time with at least 2 semester hours per term.

Please refer to the Financial Aid full-time/part-time standing for an explanation of how that department defines full-time standing and the impact on financial aid awards.

## **Grades and Grading**

### **Credit/No Credit Grading**

#### **Undergraduate**

Students may take courses which are offered on a Credit/No Credit basis for up to 20% of their total semester hours requirement for graduation. For undergraduate courses, a grade of CR may be given for performance equal to or greater than a grade of "C." A CR/NC course will not affect the grade point average. Courses offered on a CR/NC basis will count toward fulfilling requirements of the academic major, academic minor, or University Core. Courses offered on a graded basis which a student elects to take on a CR/NC basis will NOT fulfill the above requirements.

If a course is offered on a CR/NC basis only and the student wishes to receive a standard grade, the student must petition the instructor for that standard grade before the end of the third week of the semester. After submitting an approved form to the Office of the Registrar requesting CR/NC grading for a course, the student may not rescind the request.

### **Graduate**

Graduates may take courses on a CR/NC basis only with the permission of the Program Director and/or Dean of the College or School.

## **Grade Appeals**

The final course grade is how a faculty member communicates to the student and the University about a student's overall achievement in the course. Final course grades are not negotiable. Any grade appeal should therefore be limited to procedural issues, such as a computational error or a failure to follow grading policies as set forth in the course syllabus.

Any student who wishes to appeal a final course grade must first discuss the matter with the faculty member, preferably in a face to face meeting. The grade appeal must be initiated by the student prior to the end of the third week of instruction in the semester subsequent to the term in which the disputed grade was earned.

As part of the appeal, students should provide all graded assignments to the faculty member and also refer to the course syllabus so that they are prepared to discuss all aspects of the grade. The course syllabus will serve as the guideline for this discussion. If the faculty member agrees that an error was made, the faculty member will file a Correction of Grade form and the grade appeal process concludes.

If the dispute is not resolved between the student and the instructor, the student may appeal to the Department Chair in which the subject area resides. If the course is a First Year Seminar or Rhetorical Arts class, the Core Director acts as the Department Chair for the purposes of this policy. The Department Chair/Core Director will discuss the case with the faculty member and student in an attempt to resolve the dispute.

If the dispute is not resolved at the department level, the student may file a written appeal to an Associate Dean in the School/College of the subject area or to the Associate Provost for Undergraduate Education in the case of First Year Seminars and Rhetorical Arts classes. The written appeal must be submitted prior to the end of the sixth week of classes. The Associate Dean/Associate Provost, upon receipt of the written appeal, may appoint a committee of three faculty members to investigate the matter and make a recommendation to the Dean/ Associate Provost. The Dean/ Associate Provost will normally follow the recommendation of the committee; however, the decision of the Dean/Associate Provost is final. The Dean/Associate Provost will inform the student, the faculty member, and the Department Chair/Core Director of the decision in writing.

## **Grading System**

The work of all students at LMU is reported in terms of grades. Instructors are required to assign a final grade for each student registered in a course. The Office of the Registrar via PROWL issues a grade report to the student at the end of each term.

### **Undergraduate**

The following grades are used to report the quality of undergraduate student work at LMU:

- |          |              |
|----------|--------------|
| <b>A</b> | Superior     |
| <b>B</b> | Good         |
| <b>C</b> | Satisfactory |
| <b>D</b> | Poor         |

<b>F</b>	Failure
<b>CR</b>	Credit--Equivalent to grade of C or higher
<b>NC</b>	No Credit--Equivalent to grade of C- or lower
<b>NR</b>	Not reported by instructor
<b>AU</b>	Audit
<b>I</b>	Work incomplete
<b>W</b>	Official withdrawal from course

A grade of A may be modified by a minus (-) suffix, and grades B and C may be modified by a plus (+) or minus (-) suffix. Grades A, B, C, and CR denote satisfactory progress toward the degree, but a C- or D grade must be offset by higher grades in the same term for students to remain in good academic standing. An F or NC grade yields no semester hour or course credit. Note that a "C-" grade is not a passing grade in courses requiring a minimum grade of "C." A student must maintain a 2.0 GPA in order to remain in good academic standing.

### **Graduate**

The following grades are used to report the quality of graduate student work at LMU:

<b>A</b>	Superior
<b>B</b>	Satisfactorily demonstrated potential for professional achievement in field of study
<b>C</b>	Passed the course but did not do work indicative of potential for professional achievement in field of study
<b>F</b>	Failure
<b>CR</b>	Credit--Equivalent to grade of B or higher
<b>NC</b>	No Credit--Equivalent to grade of B- or lower
<b>NR</b>	Not reported by instructor
<b>AU</b>	Audit
<b>I</b>	Work incomplete
<b>IP</b>	Work in progress (A grade assigned to the first semester of a scheduled two-semester course. The final grade is posted to the second semester of the course.)
<b>W</b>	Official withdrawal from course

A grade of A may be modified by a minus (-) suffix, and grades B and C may be modified by a plus (+) or minus (-) suffix. Grades A, B, and CR denote satisfactory progress toward the degree, but a B- grade must be offset by higher grades in the same term for students to remain in good academic standing. Courses in which a grade of B- through C- is received may be applied toward graduate degrees unless otherwise prohibited by the program requirements. A student must maintain a 3.0 GPA in order to remain in good academic standing. Graduates may only take courses on a CR/NC basis with approval from the Dean.

## **Grade Point Average**

Grade points are a measure of the quality of the academic work completed, just as semester hours are a measure of the quantity of this work. The University uses a letter grade to indicate the level of individual student achievement. Each letter grade has a point value assigned for the grade achieved. The point value assigned to each letter grade is as follows:

A	4.0 grade points	C+	2.3 grade points
A-	3.7 grade points	C	2.0 grade points
B+	3.3 grade points	C-	1.7 grade points
B	3.0 grade points	D	1.0 grade points
B-	2.7 grade points	F	0.0 grade points

The LMU grade point average is determined by dividing the total number of LMU grade points by the number of LMU semester hours completed with a letter grade.

The grades of AU, CR, NC, I, IP, and W have no point value and are not used in calculating the grade point average.

## Change of Grades

Grades, once submitted to the Office of the Registrar, will be changed only in case of error. An instructor desiring a change of grade must present a written explanation to the Chairperson and the Dean with a Correction of Grade form from the Office of the Registrar. No grade changes will be made after the fourth week of instruction of the next full term.

A student's permanent record reflects the coursework upon which the University awarded the degree or recommended a credential. Therefore, no grade or other changes are permitted either after awarding the degree or recommending the credential.

## Incomplete Course Work

An incomplete grade may be assigned by the professor only if a student has completed at least 80% of the coursework.

The student must speak to the professor prior to final exam week to determine if the completed course work meets the minimum requirement for a grade of Incomplete and to discuss what further work is required to complete the course. The professor may or may not agree to the assignment of a grade of Incomplete. If the professor agrees to assign the grade of Incomplete, s/he will enter a grade of "I" on the Final Grade Roster.

The student's deadline for submitting all outstanding coursework for undergraduate level courses is three weeks after the first scheduled class day of the next full semester. Graduate students who received a grade of Incomplete in graduate level courses have one academic year to complete and submit all outstanding coursework, unless an earlier deadline is set by the professor.

An incomplete grade not removed by the deadline will default to an "F" or to the default grade as submitted by the instructor on the Final Grade Roster.

If a student requires an extension to the deadline, the student must petition to obtain an extension to the deadline for removal of the grade of Incomplete. The petition, approved by the instructor, must be submitted to the Office of the Registrar.

Graduate students carrying any grades of Incomplete are not permitted to take a comprehensive examination until all "I" grades have been removed.

Graduate students enrolled in undergraduate level courses and who have received a grade of Incomplete in the undergraduate level course must submit outstanding coursework no later than three weeks after the first scheduled class day of the next full semester.

## Mid-Term Deficiencies

Mid-term deficiencies are assigned to students whose work thus far in the semester has been evaluated by the instructor as unsatisfactory. Notifications are sent to undergraduate students who are performing at the level of C- (1.7) or less; to graduates who are performing at the level of B- (2.7) or less. These notices, advisory in nature and sent to the student's LMU email and posted to PROWL prior to the last day to withdraw in a term, are not used in any calculation and do not appear on either Degree Works or the University transcript. Students who receive a mid-term deficiency are advised to speak to the instructor and/or their advisor.

## Leave of Absence/Withdrawal

### Leave of Absence (LOA)

A Leave of Absence (LOA) may be granted to a student who applies for a temporary break from studies for up to two years or four semesters. A student on a processed LOA retains their admitted status; however, they do not have the rights and privileges of registered students as they are currently not attending classes. A student on a LOA may complete course work for which the grade of Incomplete was submitted in the prior term and must comply with the policies, including all deadlines, concerning a grade of Incomplete.

### Withdrawal (WD)

A Withdrawal (WD) from the University is the permanent termination of the academic program, course of study, and the rights and privileges offered to currently registered students. A student who wishes to return to the University must reapply to the appropriate Admissions Office. A student who withdraws is responsible for outstanding financial obligations with the University. A student who used deferred payment plans to secure student loans during their attendance at the University must clear their financial obligations with the Financial Aid and Student Financial Services Offices. A student who has unpaid bills or other unsettled financial obligations with the University and is not current with payments will not receive academic transcripts.

## Choosing to Withdraw or Take a Leave of Absence

A student has four options when considering a LOA or WD from the University:

1. **For a LOA or WD in a semester which has not yet begun or before the end of the first week of the term**, the student must drop all courses via PROWL. Under these circumstances, no courses will appear on the student's transcript. The student must then fill out the LOA/Withdrawal form available on the Office of the Registrar website.
2. **For a LOA or WD in a semester for which final grades have been posted and for a student who has registered for a subsequent semester**, see #1 above. For a student who has had no subsequent registration(s), the student must complete the LOA/Withdrawal form indicating the LOA or WD is effective at the end of the term that has just finished. The LOA/Withdrawal form is available on the Office of the Registrar website.
3. **For a LOA or WD in a semester which has already begun but it is not past the last day to withdraw as published in the Academic Calendar**, the student must withdraw from all courses via PROWL prior to the deadline. Under these circumstances, each course will remain on the student's transcript and receive a grade of W. In addition, the student must fill out the LOA/Withdrawal form available on the Office of the Registrar website.
4. **For a LOA or WD after the last day to withdraw from all courses within a semester as published in the Academic Calendar**, due to an illness or emergency, a student may petition for a LOA or WD through the Dean of Student's Office. Prior to petitioning for a LOA or WD, the student must:
  - a. Consult with their Dean's Office, Financial Aid, Student Financial Services, and Student Housing (for residential students).

- b. An international student must consult with the Office of International Students and Scholars to ensure that visa requirements will be satisfied.
- c. In regards to a petition due to an illness, appropriate documentation is required to support the student's petition to take a LOA or WD. The medical and/or mental health documentation must be current and provide information as to the health-related concern that prevents the student from completing the semester. Documentation must be from a licensed professional, such as a medical doctor, physician's assistant, nurse practitioner, psychologist, psychiatrist, or social worker. All documentation should be sent to the Dean of Student's Office and include the following information:
- d. For an emergency petition, the student must make an appointment to meet with the Dean of Students (or designee). A petition for an emergency LOA could include, but is not limited to, instances such as family illness or death, natural disaster, and military deployment. Leaves of Absence for emergency purposes, other than military deployment, are granted at the discretion of the Dean of Students.
- e. To process this information in a timely manner, the student should submit a Release of Information (ROI) to the Dean of Students (or designee) allowing the Dean of Students (or designee) and the Student Health Services and/or Student Psychological Services, hereafter referred to as the Appropriate Health Service, to review the documentation.
- f. The Dean of Students (or designee) may confer with the directors of the Student Health Service and/or Student Psychological Service to request a diagnostic explanation(s) and/or to confirm the appropriateness of the medical or mental health information.
- g. The Dean of Student's Office is responsible for granting and communicating in writing to the student regarding the petition for LOA or WD after the last day in the semester, as published in the Academic Calendar, and developing individualized recommendations for the student to guide them while on leave and to better prepare them to return to university life. Upon receiving a recommendation for LOA or WD, the student must complete and submit the LOA/WD form available on the Office of the Registrar website.
- h. If the petition is approved for a LOA after the last day in the semester, ALL courses will remain on the student's transcript and receive a grade of W.
- i. If the petition is not approved, the student may request an appeal within five business days of the written decision to the Dean of Students. The Dean of Students may request additional information from the student. The decision of the Dean of Students is final.
- j. If the petition is not approved and the student does not appeal or complete all coursework, the grade earned in the class will be recorded on the student's transcript.
- k. A student granted a LOA or WD after the last day in the semester to withdraw, as published in the Academic Calendar, should check with their Dean's Office, Financial Aid, Student Financial Services, and Student Housing regarding financial obligations.
- l. A Dean of Student's hold will be placed on the student's record once the petition is granted.
- m. The extension of University-sponsored student health insurance may be available during a leave of absence. Consult the student health insurance webpage for more information.

## Returning from a Leave of Absence

When returning from a LOA and prior to registering:

1. A student must fill out the Return from LOA form available on the Office of the Registrar website.
2. A student must contact the Chair of his or her academic department or Dean's Office to inform the department of his or her intent to return and the expected semester of return. The student must meet with their Dean's Office prior to registering for classes.
3. The student must meet all financial aid deadlines for the academic year of his or her expected return and clear any financial holds.
4. The student should check PROWL for any other holds on their account that need to be addressed, and contact the appropriate office for assistance in their removal.
5. If the student wishes to reside on campus, the student must contact the Student Housing Office and submit all the necessary forms to apply for housing and meet all deadlines.

6. A student with disabilities may be eligible for reasonable accommodations and/or special services in accordance with the Rehabilitation Act of 1973 and the Americans with Disability Amendments Act (ADAA) of 2008. The student is responsible for communicating his or her requests for academic accommodations to the Office of Disability Support Services.
7. A student returning from an approved LOA after the last day in the semester to withdraw from classes must also submit a return to academic studies letter to the Dean of Students and his or her academic Dean's office. This letter should outline how the student's LOA was spent and must include a personal assessment for their readiness to return. The student will then meet with a representative from the Dean of Student's Office to discuss and offer recommendations for further support. Recommendations for support will be made in writing to the student by the Dean of Student's Office after the meeting with the student. This meeting must occur by January 1 for consideration for Spring semester return, May 1 for Summer session return, and August 1 for Fall semester return.

# LMU Academic Honesty Policy and Procedures

## I. Statement of Policy

### A. The LMU Academic Honesty Policy

Loyola Marymount University is a community dedicated to academic excellence. Academic honesty in scholarship and creative work stands at the center of LMU's academic life, and is essential for true learning and creation of knowledge to take place. As a university in the Jesuit and Marymount traditions, this community expects its members to act in accordance with the highest standards of honesty and ethics at all times. Violations of academic honesty undermine the fundamental educational mission of the University and cannot be tolerated. Students are responsible for understanding the standards of academic honesty and determining how they apply to their academic work and behavior. Students are responsible for contacting their instructor(s) before assignments are due to proactively resolve any questions they may have.

### B. Definitions of Academic Honesty and Dishonesty

*Academic honesty* requires that all members of the LMU community act with integrity, respect their own intellectual and creative work as well as that of others, acknowledge sources consistently and completely, act honestly during exams and on assignments, and report results accurately.

*Academic dishonesty* is any violation of the standards of academic honesty. Examples of academic dishonesty are defined below. These examples are intended to provide guidance but not to constitute an exhaustive list of the forms that academic dishonesty might take.

#### 1. Plagiarism

- a. Presentation or appropriation of another's ideas, words, images, work, materials, results, etc. as one's own, including but not limited to: omission or improper use of citations; copying another's work without attribution.
- b. Inappropriate use of an Internet or digital source, including but not limited to: inappropriate copying in whole or part; submission of a paper or other work, or any part thereof, obtained via the Internet or a digital source, as one's own work; inappropriate sampling of images or sound; the use of online solutions typically made available as instructor resources for a course.
- c. Unauthorized presentation or partial or complete resubmission of one's own previous academic work for additional academic credit.

#### 2. Fraud

- a. Representing oneself as another person in relation to an academic assignment or course, or allowing another to represent oneself in relation to an academic assignment or course. For example, signing an attendance sheet in class or at an extracurricular event on behalf of an absent student, representing oneself as someone else in the context of an online course, or permitting another person to complete an assignment or take an examination on one's behalf in the context of an online course.
  - b. Presenting forged signatures or documents as authentic.
  - c. Altering or fabricating data.
  - d. Submitting false or fabricated citations.
3. Cheating and Facilitating Cheating
- a. Possession, distribution, and/or use of materials or technology for the purpose of cheating or facilitating cheating.
  - b. Coercing or attempting to coerce a classmate to facilitate cheating.
  - c. Using resources and materials prohibited by the Instructor.
  - d. Collaboration on coursework that violates an Instructor's stated policies or instruction.
  - e. Misrepresenting contributions to group projects.
4. Unauthorized Access to or Alteration of Privileged and Proprietary Information
- a. Unauthorized access to and/or use of privileged University documents, files, or information and/or alteration thereof by electronic or any other means.
  - b. Unauthorized access to and/or use of proprietary information. For example, the unauthorized dissemination of research prior to publication.
  - c. Unauthorized access to and/or use of University course resources and materials. For example, distributing any course materials (syllabus, assignments, exams, etc.) without explicit permission from the instructor.
5. Other Academic Dishonesty
- a. Acts of academic sabotage. For example, the purposeful theft, vandalism, or unauthorized access of library books, academic records, equipment, or materials, or the theft or destruction of other Students' work.
  - b. Any other means of violating the standards of academic honesty set out above, existing or yet to be invented.

## C. Student Protections

1. The burden shall be upon the Instructor to provide evidence that it is more probable than not that the Student has committed the alleged academic honesty violation.
2. A Student has the right to appeal the Instructor's decision concerning an allegation of academic dishonesty.
3. Access to materials, files and records alleging and documenting a Student's violation of the Academic Honesty Policy will only be authorized for disclosure to individuals necessary for the processing of the Academic Honesty Policy violation (such as the Student, Instructor, Chair, Dean, Provost, Academic Honesty Review Committee [AHRC]).
4. A Student has the right to petition the AHRC to have records of his/her violation of the Policy expunged. The AHRC shall review the petition and make its recommendation to the Provost. Factors to be considered include: (1) severity of the violation; (2) time that has elapsed since the violation; (3) present demeanor and contrition of the Student; (4) demonstrated conduct since the violation; and (5) the severity of any damage, injury, or harm resulting from the violation. Decisions on such petitions are at the discretion of the Provost, whose decision is final.

## D. Instructor Protections

1. Instructors are expected to apply academic integrity standards consistently across all of their students in all of their classes and pursue all cases of academic dishonesty.
2. Instructors may attempt to stop suspected cheating in progress when appropriate (for example, during and examination). Instructors must then follow the procedure outlined in this policy prior to imposition of any academic dishonesty sanction.
3. For each incident of academic dishonesty, a record identifier that does not identify the student is generated that the Instructor may make reference to or include in retention, merit, rank, and promotion decisions (if applicable).

4. Should an instructor require legal assistance during any proceedings related to the charge of academic dishonesty, having followed the procedures outlined in the Policy, LMU will provide the faculty member with the assistance of University counsel. In addition, it is recognized that faculty have the right to be indemnified for all necessary expenditures or losses incurred in direct consequence of the discharge of their duties under California Labor Code section 2802.

## E. Sanctions

Factors to be considered in applying sanctions for determinations of academic dishonesty under this policy shall include the nature and severity of the violation and whether there is a pattern of violations. Sanctions for violations of the Academic Honesty Policy may include the following:

1. Instructor-Imposed Sanction. Imposed at the sole discretion of the Instructor of record and may include (but is not limited to): a requirement to re-do the assignment; a reduced or failing grade on an assignment, or part of an assignment; a reduced or failing grade in the course. If the Instructor imposes a failing grade sanction in the course, a failing grade will appear on the transcript even in the case of subsequent withdrawal.
2. Suspension from the University. The sanction of suspension requires recommendation by the AHRC and approval of the Provost.
3. Dismissal from the University. The sanction of dismissal requires recommendation by the AHRC and approval of the Provost.

## II. Definitions

1. Academic Honesty Violation Form: the official form on which the Instructor reports a violation of academic honesty.
2. AHRC: the Academic Honesty Review Committee, the body that provides a ruling the Provost concerning appeals and other matters related to violations of the Academic Honesty Policy.
3. Day: a regular University business day. It shall not include Saturdays, Sundays, or administrative holidays.
4. Dismissal: the permanent separation of the Student from the University. Permanent notification may appear on the Student's transcript. The Student will also not be permitted on campus or University premises. Any alteration, deferral or suspension of this sanction may be subject to conditions.
5. Institution/University: Loyola Marymount University.
6. Instructor: any LMU faculty member, librarian, or other individual authorized to evaluate students' academic work.
7. NR: Not Reported. NR will be used as a placeholder at the time of a final grade submission or recordation while an academic honesty violation appeal is in process.
8. Policy: the Academic Honesty Policy.
9. Provost: the Provost or the Provost's designee for managing the day-to-day operations of the Academic Honesty Policy.
10. Record/Student Record: the permanent documentation kept by the University concerning the student's matriculation and performance. Files are all relevant physical or digital documentation of a case.
11. Student: a person enrolled in any University program or class.
12. Supervisor: the person to whom an Instructor reports directly in teaching-related matters. In most cases, the "Supervisor" is the Instructor's Department Chair or Program Director; for most Department Chairs and Program Directors it is the Dean or Associate Dean.
13. Suspension: the separation of the Student from the University for a stated period with an opportunity for reinstatement consideration. Permanent notification of suspension may appear on the Student's transcript. While suspended, the Student is ineligible for and shall not participate in any University sponsored activities and may be prohibited from a presence on campus and University premises. Suspended time will not count against any time limits of graduate schools or programs for completion of a graduate degree. Any alteration, deferral or suspension of this sanction may be subject to conditions.
14. Violation: a determined violation of the University's Academic Honesty Policy.
15. The terms "will" and "shall" are used in the imperative sense. The term "may" is used in the permissive sense.

## III. Procedures

### A. Process

1. An Instructor who has reason to believe that a student has violated the Academic Honesty Policy will inform the Student of the suspected academic dishonesty in an email sent to the Student's LMU email address (with a copy to the Instructor's Supervisor) within five days of discovering evidence of the academic dishonesty. This message should include a statement of the nature of the suspected violation, the evidence supporting the suspected violation and a deadline of five days for the Student to respond by email. Because at this point in the process there is only a suspicion or allegation of a policy violation, no determination has been made and there should not be any mention of a prospective sanction in the message. The communication should also include a request to meet (or confer) with the Student within five days after the student's response to the email.
2. The Instructor's meeting with the Student shall take place after receipt of the Student's email reply and provides an opportunity for the Instructor and the Student to discuss the suspected academic honesty violation, the evidence, and the prospective sanction (e.g., a failing grade on an assignment or a failing grade in a course), and any concerns the Student may have.
  - a. If the Instructor determines that no violation of the Academic Honesty Policy has occurred, no further action or steps will be taken. The Instructor will notify the Supervisor of the determination.
  - b. If the Instructor determines that a violation of the Academic Honesty Policy has occurred, a sanction within the purview of the Instructor will be imposed. A completed Academic Honesty Violation Form (with supporting evidence) will be forwarded to the Provost (with a copy to the Instructor's Supervisor and to the Student).
3. If the Student does not respond to the initial email from the Instructor within five days, a determination shall be made by the Instructor and if a determination of an Academic Honesty Policy violation is made, a sanction within the purview of the Instructor will be imposed. A completed Academic Honesty Violation Form with the supporting evidence will be forwarded to the Provost (with a copy to the Instructor's Supervisor and to the Student).
4. The Student may submit an appeal of the Academic Honesty Policy violation determination and/or sanction within five days of the Instructor's emailing of the Academic Honesty Violation Form.
  - a. If no appeal is filed, then the Academic Honesty Policy violation determination becomes final. The Provost will file the paperwork, with a copy to the Student's Dean's Office, and apply the sanction determined by the Instructor. This terminates the process.
  - b. If the Student files an appeal, then the grade on the relevant assignment, or in the course, will be converted to "NR" within five days of receipt of the appeal, and remain as such until the final resolution of the appeal process.
  - c. In the case of a Student appeal, the Provost will submit the case to the AHRC for reconsideration and will notify the Student and Instructor thereof.
5. When a determination becomes final, the Provost shall review the Student's record to determine if there is a prior history or pattern of academic dishonesty. For cases in which the Provost determines that such a history or pattern exists and therefore the Student's record and pattern of behavior warrants further review, the Provost will submit the Student's record of proceedings under the Academic Honesty Policy to the Academic Honesty Review Committee (AHRC) for consideration of additional action and will so notify the Student thereof.
6. If the AHRC determines that a violation merits a different result or sanction (in cases of appeal) or that the Student's pattern of behavior warrants an additional sanction, up to and including the Student's suspension or dismissal (in cases where the Provost requests further review), it shall communicate its decision to the Student and to the Provost within 15 days of the Provost's request for consideration.
  - a. In cases of a ruling for additional sanction based on a pattern of behavior, the Student has 10 days to respond to the AHRC ruling; the response shall be submitted directly to the Provost.
  - b. The Provost shall make the final decision within 5 days after the window for the Student's response to the AHRC ruling closes. Upon making the final decision, Provost shall add appropriate documentation to the Student's record, with a copy to the Student's Dean's Office, and apply the sanction. The Provost's decision is final and terminates the process.

7. All deadlines apply during the semester - that is, from the first day of classes to five days after final grades are due. Attempts will be made to conclude pending cases in May before the end of the academic year. All unresolved cases will be considered and determined in the next regular semester.
8. A Student charged with an Academic Honesty Policy violation prior to graduation may not receive a diploma/degree until any pertinent proceedings regarding that Student have been completed. A student who has been suspended cannot graduate unless and until he/she is reinstated.
9. The Provost's office will provide an annual report, without identifying Students, detailing the number and type of violations reported in different areas of the LMU community, as well as the number and type of AHRC rulings and Provost decisions, if applicable.

## **B. Appeals**

1. A Student has the right to appeal the Instructor's decision concerning an allegation of academic dishonesty.
2. A Student may appeal on one or more of the following grounds:
  - a. The violation determination is not supported by substantial evidence.
  - b. New relevant evidence is available.
  - c. The sanction is substantially disproportionate to the offense.
  - d. The procedures detailed in this document were not materially followed, resulting in significant disadvantage or prejudice to the Student.
3. The Student must make his or her appeal in writing no later than five days following the Instructor's emailing of the Academic Honesty Violation Form to the Student.
4. All appeals must be submitted by email to the Provost (with a copy to the Instructor and the Instructor's Supervisor).
5. The Provost will inform the Instructor of the receipt of an appeal request within five days, and will submit the appeal request to the AHRC. At the request of the AHRC, the Instructor will be given the opportunity to provide additional evidence or argument should the Student present new arguments or evidence. The Student shall have a right to know of and respond to the AHRC respecting any new or additional evidence or argument provided by the Instructor to the AHRC.
6. The AHRC shall determine whether or not the evidence supports the allegation, if so, whether the sanction is appropriate taking into account all available evidence related to the academic dishonesty as well as, during the sanctions deliberations, any evidence provided by the Provost regarding any prior offenses, and whether the correct procedures were followed.
7. The AHRC will communicate its findings and ruling to the Provost.
8. In cases of an AHRC ruling for suspension or dismissal, the Student has 10 days to respond to the AHRC ruling about the propriety of the sanction; the response shall be submitted directly to the Provost.
9. The Provost shall make the final decision, in light of the recommendation of the AHRC and after consideration of any submission from the Student, and will communicate this decision to the Student and Instructor, with a copy to the Student's Dean's Office. The Provost's decision is final and terminates the process.

## **C. Documentation: Files and Records**

1. A digital copy of the Academic Honesty Violation Form, with supporting evidence, will remain on file in the Provost's Office.
2. Records will have a protected status, with access only as authorized by law and permitted by the Provost.

## **Privacy Rights of Students in Education Records (FERPA)**

# Loyola Marymount University Policy on Confidentiality of Education Records (FERPA Policy)

The Family Educational Rights and Privacy Act of 1974, as amended ("FERPA"), is a Federal law which governs student privacy and confidentiality of student education records. Loyola Marymount University ("LMU") recognizes, abides by and enforces the confidentiality of student records under FERPA.

## Definitions

For the purposes of this policy, the following definitions apply:

Student--any person who attends or has attended LMU.

Education records--any record (in handwriting, print, tapes, film, electronic, or other medium) maintained by LMU or any agent of LMU which is directly related to a student, except:

A personal record kept by a staff member if it is kept in the sole possession of the maker of the record and is not accessible or revealed to any other person except a temporary substitute for the maker of the record.

An employee record of an individual whose employment is not contingent on the fact that he or she is a student, provided the record is used only in relation to the individual's employment.

LMU Department of Public Safety records created and maintained by LMU's Department of Public Safety for Department of Public Safety purposes.

Counseling records which are created or maintained by a physician, psychiatrist, psychologist, or other recognized professional or paraprofessional, acting in his or her professional capacity or assisting in a paraprofessional capacity, used solely in connection with the provision of treatment to the student and not disclosed to anyone other than individuals providing such treatment, so long as the records can be personally reviewed by a physician or other appropriate professional of the student's choice. "Treatment" in this context does not include remedial educational activities or activities which are part of the program of instruction at the institution.

Health records maintained by the Student Health Center, if the records are used only for treatment of a student and made available only to those persons providing the treatment.

Alumni records which contain information about a student after he or she is no longer in attendance at the University and which do not relate to the person as a student.

## Annual Notification

Current students are notified annually of their rights under the Family Educational Rights and Privacy Act (FERPA) by publication in the University Bulletin and by posts on the LMU website.

## Procedure to Inspect Education Records

Students may inspect and review their official academic or other education records (with certain limited exceptions) within 45 days of the day LMU receives the student's written request for access. A student should submit any such request in writing, identifying the record(s) the student wishes to inspect, to the appropriate LMU official or department. LMU will make arrangements for access and notify the student of the time and place where the records may be inspected.

## Right of University to Refuse Access

LMU reserves the right to refuse to permit a student to inspect the following records:

- The financial statements of third parties.
- Letters and statements of recommendation for which the student has waived his or her right of access, or which were created before January 1, 1975.
- Records connected with an application to attend LMU, or any LMU program, after acceptance but prior to enrollment, or if that application was denied.
- Those records which are excluded from the FERPA definition of education records.

## Refusal to Provide Copies

Unless required by FERPA or other law, LMU reserves the right to deny a student's access to academic transcripts or copies of records in any of the following situations:

The student has any unpaid financial obligations to LMU.

There is an unresolved disciplinary action against the student. Copies of disciplinary records will only be made available when a student is unable to come to the office to inspect the record.

## Disclosure of Education Records

LMU will disclose information from a student's education record only with the written consent of the student, except:

- To school officials who have a legitimate educational interest in the records.
- A "school official" is any person employed by LMU in any administrative, supervisory, academic or research, or support staff position (including public safety and health services staff); any person or company with whom LMU has contracted to provide a service to or on behalf of LMU (such as attorneys, auditors, or collection agents); any person serving on LMU's Board of Trustees; or any student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.
- A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill the official's professional responsibilities.
- To officials of another school, upon request, in which a student seeks or intends to enroll. A reasonable attempt will be made to notify the student prior to the release of such records.
- To certain officials of the U.S. Department of Education, the Controller General, Attorney General, and the state and local educational authorities, in connection with certain state or federally supported education programs.
- In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid. Parents' financial information, including statements submitted in connection with financial aid applications, is excluded from inspection.
- If required by a state law requiring disclosure that was adopted before November 19, 1974.
- To organizations conducting certain studies for or on behalf of the University.
- To accrediting organizations to carry out their functions.
- To parents of a dependent student, as defined in the Internal Revenue Code. The parents must provide a copy of their most recent federal income tax return establishing the student's dependency. Full rights under the act shall be given to either parent, unless LMU has been provided with evidence that there is a court order, state statute or legally binding document relating to such matters as divorce, separation or custody that specifically revokes those rights. LMU does not have an obligation to disclose any financial information about one parent to another. If a parent claims a student as a dependent and does not want his/her financial information disclosed to his/her spouse or former spouse, the parent may make that request to the institution.

- To comply with a judicial order or a lawfully issued subpoena.
- To appropriate parties in a health or safety emergency.
- To an alleged victim of a sexual assault of the final results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime or offense.
- To courts for a legal proceeding brought by a parent or student against the university or by the University against a parent or student.
- To parents and legal guardians of students under age 21 if the student violated LMU policies, state or federal laws relating to the use or possession of alcohol or a controlled substance.
- To the public the final results of a disciplinary proceeding only if it has been determined that:
  - the student is an alleged perpetrator of a crime of violence or nonforcible sex offense; and
  - the student has committed a violation of the university's rules with respect to the allegation.
- To state and local juvenile justice systems or their officials.
- If designated as "Directory Information."

## Directory Information

LMU is permitted under provisions of FERPA to release "Directory Information" upon request to anyone within the LMU community and to the general public without a student's consent. Students who wish to have their directory information withheld must notify the Office of the Registrar in writing each semester by the close of official registration. (Please note that such withhold notification will prevent LMU from providing your directory information to friends, prospective employers, organizations and others with whom a student may wish to share such information, so a student should make any withhold notification carefully.)

Directory Information consists of a student's:

- Name
- Address(es)
- Email address(es)
- Telephone numbers
- Date and place of birth
- Fields of study
- Enrollment status
- Dates of attendance
- Anticipated degree and degree date
- Degrees, honors, and awards received
- Participation in officially recognized activities
- Weight and height of members of athletic teams
- A student's personal identifier used by the student for purposes of accessing or communicating in electronic systems
- Class-related information necessary for classroom/student collaboration
- Most recent educational institution attended
- Photograph

## Correction of Education Records

Students have the right to ask to have records corrected that they believe are inaccurate, misleading, or in violation of their privacy rights. A student should submit any such request to LMU in writing, clearly identifying the records that the student believes are inaccurate and specifying the reasons the student believes them to be inaccurate. LMU will notify the student of its

decision, and if the decision is negative, of the student's right to a hearing regarding his or her request for amendment. Additional information regarding the hearing procedures will be provided at that time.

## **Notice of Student Rights with Respect to Education Records (FERPA)**

The Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) ("FERPA") affords students certain rights with respect to their education records. These rights include:

(1) The right to inspect and review the student's education records (with certain limited exceptions) within 45 days of the day LMU receives the student's written request for access. A student should submit any such request in writing, identifying the record(s) the student wishes to inspect, to the appropriate LMU official or department. LMU will make arrangements for access and notify the student of the time and place where the records may be inspected.

(2) The right to request the amendment of the student's education records that the student believes to be inaccurate. A student should submit any such request to LMU in writing, clearly identifying the records that the student believes are inaccurate and specifying the reasons the student believes them to be inaccurate. LMU will notify the student of its decision, and if the decision is negative, of the student's right to a hearing regarding his or her request for amendment. Additional information regarding the hearing procedures will be provided at that time.

(3) The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent. One such exception permits disclosure to "school officials" with "legitimate educational interests" without a student's consent. A "school official" is any person employed by LMU in any administrative, supervisory, academic or research, or support staff position (including public safety and health services staff); any person or company with whom LMU has contracted to provide a service to or on behalf of LMU (such as attorneys, auditors, or collection agents); any person serving on LMU's Board of Trustees; or any student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill the official's professional responsibilities.

Another such exception permits LMU to disclose a student's "directory information," consisting of a student's name, address(es), email address(es), telephone numbers, major field of study, enrollment status, dates of attendance, anticipated degree and degree date, degrees, honors and awards received, participation in officially recognized activities; a student's personal identifier used by the student for purposes of accessing or communicating in electronic systems; most recent educational institution attended; and photograph, to anyone within the LMU community and to the general public. Students who wish to have their directory information withheld must notify the Office of the Registrar in writing each semester by the close of official registration. (Please note that such withhold notification will prevent LMU from providing your directory information to friends, prospective employers, organizations and others with whom a student may wish to share such information, so a student should make any withhold notification carefully.)

Upon request, LMU also discloses education records without consent to officials of another school in which a student seeks or intends to enroll or where the student is already enrolled so long as the disclosure is for purposes related to the student's enrollment or transfer.

Information on other exceptions to FERPA's requirements is available through the Office of the Registrar.

(4) The right to file a complaint with the U.S. Department of Education concerning LMU's compliance with the requirements of FERPA. The name and address of the Office that administers FERPA is: Family Policy Compliance Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, DC 20202.

## **Registration**

The days of registration are listed in the University Calendar. All students must follow the registration procedures as established by the Office of the Registrar. A student is not considered registered until official clearance has been obtained from the Controller's Office and successful registration has been processed in and posted to PROWL. The student's official academic program consists of the courses in which the student is enrolled at the close of official registration.

Students register for classes via PROWL during the times assigned by the Office of the Registrar. Through the first week of each term, students may register or change their registration schedule by adding and dropping classes without a grade of "W" in accordance with the procedures established by the Office of the Registrar. Registration for a term or registration changes are not accepted after the last day of the registration period.

Students may withdraw from a course (and receive a grade of 'W') until the date published in the Academic Calendar. Students who do not complete a course and/or do not withdraw from a class in accordance with the required procedures will receive an appropriate grade in the class as assigned by the instructor.

LMU does not allow a student who is not registered for a course to attend the class. Registration must be completed in accordance with the regulations, procedures, and dates in the University Bulletin. Sitting in a class or obtaining an instructor's signature on a petition form does not constitute enrollment.

The University does not remove courses for those students who stop attending a course. It is the sole responsibility of the student to ensure that his/her class schedule is correct, including dropping or withdrawing from any courses prior to the respective deadlines in the semester. Failure to withdraw officially from a course will result in a grade of "F" or other as assigned by the instructor.

## Registration Restrictions

Courses may have registration restrictions, and students wishing to register for these courses must have met the criteria of the restriction. Restrictions and other registration considerations are enforced in PROWL and are identifiable in the Schedule of Classes.

Students who have not earned 60 units, including transfer credit, may not enroll in upper division courses without the approval of the instructor and the chair of the department of the course. This restriction does not apply to upper division foreign language courses for which a student has demonstrated sufficient proficiency.

Any holds on the student's record for academic, financial, student conduct, or other reasons may inhibit eligibility for registration. A student is not considered registered until official clearance has been obtained from Student Accounts and successful registration through PROWL has been processed by the Office of the Registrar.

## Repeat Courses

Certain courses such as special studies and performance courses are repeatable for credit. Please consult the University Bulletin and your advisor in order to confirm that a given course may be repeatable for credit.

Students may repeat a non-repeatable LMU course once, including withdrawals, in order to improve academic performance in that course. The prior occurrence is excluded from the cumulative grade point average and earned hours but remains on the transcript. The grade of the latest occurrence of the repeated course will be the one calculated into the GPA and earned hours. The third and final time a course is taken requires approval from the Dean.

- A repeat course must be taken on the same grade basis as the original occurrence. A course taken for a grade may only be excluded by the same course with a grade. Similarly, a course taken on a CR/NC basis may only be excluded by the same course taken on a CR/NC basis.
- Undergraduate students may not repeat an elementary or intermediate foreign language course after successful completion of a more advanced course in the same language.

- Courses taken at LMU after a degree has been granted will not change the graduation GPA.

## Unit Overload

Undergraduate students are limited to enrolling in a maximum of 18 semester hours up until the second week prior to the first week of classes. Beginning the second week prior to classes and running through the first week of the term, undergraduate students are eligible to enroll in 18 or more semester hours with the approval of their Dean's Office.

In order for an undergraduate student to enroll in 19 or more semester hours, the following criteria must be met:

1. A 3.50 overall GPA
2. A minimum of 15 semester hours completed during the prior full semester
3. A registration adjustment form to adjust hours signed by the Associate Dean's office and submitted to the Office of the Registrar.

The maximum load for graduate students during a Fall or Spring semester is 15 semester hours.

## Transcripts

Transcripts show all Loyola Marymount University work completed as of the transcript print date. Work in progress is noted on the transcript. Transcripts will not be issued when a student has outstanding financial obligations to the University. Official transcripts of courses taken at the University are issued only with the permission of the student concerned. Unofficial or partial transcripts are not issued.

Transcripts from other institutions, which have been presented for admission or evaluation, become a part of the student's permanent academic file and are not returned to the student. Students desiring transcripts covering work attempted elsewhere should request them from the appropriate institutions.

## Transfer Credit and Articulation

Credit for work completed at institutions accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities may generally be accepted toward the satisfaction of degree and credential requirements at Loyola Marymount University.

Course work completed at non-U.S. institutions must be documented on an official academic record from an international institution recognized by the Ministry or Department of Education of that country. A foreign credentials evaluation may be required. International transcripts submitted without appropriate evaluations may not be considered for eligible transfer work to LMU.

## Articulation

The articulation services at LMU help undergraduate students to identify courses completed at other academic institutions that are transferable to LMU degree programs. Courses taken at other academic institutions may fulfill University core requirements, Program (academic major/minor) requirements or transfer in as electives. LMU has established articulation agreements with its major feeder community colleges.

View these transfer agreements on the Registrar's website, and click on "Transfer Agreements."

Graduate students should consult their Dean's Office in their College or School.

# Transfer Grades

Only LMU semester hour value is granted to transfer courses. LMU does not list grades from transfer courses nor does it use those grades in calculation of the LMU GPA.

# Transfer Work

## Undergraduate

Any undergraduate student regularly enrolled as a degree candidate who elects to take courses at a college or university other than Loyola Marymount University must submit a Transfer Credit Review form to the Office of the Registrar prior to enrollment. The Office of the Registrar will review the course(s) for general transferability and possible fulfillment of a Core requirement. Courses taken with the intention of fulfilling a major or minor requirement must also be reviewed and approved by the Associate Dean of the student's College or School prior to enrollment in such courses. Courses taken without this approval may not be counted toward the degree. Entering transfer students generally receive credit after admission to LMU for courses from other colleges and universities.

LMU degree-seeking students may not enroll at another institution while enrolled at LMU with the purpose of transferring credits. This is known as Concurrent Enrollment. Requests to transfer courses taken at another institution while enrolled at LMU will be denied.

Approved undergraduate courses with a grade of C (2.0) or higher may be counted for LMU credit. Credit will not be accepted for courses which

1. Are taken at colleges not accredited, trade schools, extension programs, or correspondence programs or have been identified as being remedial or in other ways as being non-transferable.
2. Are taken on a CR/NC or Pass/Fail basis where the CR or Pass grade is not equivalent to a grade of C or higher.
3. Are identified as duplicates to course work already completed (excludes courses that may be taken multiple times for degree credit).
4. Exceed the limitations of resident requirements.
5. Exceed the 60 semester hour maximum allowed for undergraduate course work from community colleges, or exceed the 90 semester hour maximum allowed for undergraduate course work from four-year institutions.

## Graduate Transfer Work

At the time of admission to a program, and if approved by his/her Department, Program Director, and/or Dean of the student's college or school, a student may transfer a maximum of two applicable courses of approved graduate credit, six (6) semester units total, from an accredited institution for work completed no more than five years ago.

1. A course credit may be transferred when the grade received was at least a "B" (3.0), and if taken on a CR/NC or Pass/Fail basis, where the CR or Pass grade is equivalent to a grade of B (3.0) or higher.
2. If a course was used to satisfy a degree requirement, it usually cannot be used for transfer credit, with the exception of core or prerequisite requirements.

# VA Certification

Students must apply for educational benefits through the Department of Veterans Affairs. Qualified students will receive from the VA a Certificate of Eligibility indicating the educational benefits to which they are entitled. Once committed to LMU and registered in classes, students must submit their Certificate of Eligibility to the Office of the Registrar for enrollment certification processing. Enrollment certification will be performed prior to each semester of enrollment until the University is notified that benefits have been exhausted or the student is no longer enrolled at LMU.

The Office of the Registrar acts as liaison between the student and the Veterans Administration. Any student eligible to receive educational benefits under one of the various Veterans Administration programs must, at the beginning of each term for which he

or she is registered, complete and/or submit the appropriate application for certification of educational benefits. Information or consultation regarding Veterans educational benefits is available at any time during regular office hours. For more information regarding how to apply for Veterans' educational benefits, visit <http://registrar.lmu.edu/services/veteranandmilitaryeducationbenefits/>.

LMU participates in the Yellow Ribbon Program; which is a Post-9/11 GI Bill® enhancement program for students who qualify for 100% of the Post-9/11 GI Bill. This program allows institutions of higher learning in the United States to voluntarily enter into an agreement with the VA to fund tuition expenses that may exceed the higher of the actual tuition and fees for a private school. The number of students sponsored for Yellow Ribbon Program benefits is limited. For additional information on this and other Chapter financial considerations, please see the Financial Aid website.

Federal Law requires that educational assistance benefits to Veterans and other eligible persons be discontinued when the student ceases to make satisfactory progress toward their degree objective. Individuals who qualify, and wish to receive veterans' educational benefits, must meet the published academic standards and requirements of the University in order to be certified for Veterans educational benefits.

# **Course Descriptions**

## **Accounting (ACCT)**

**ACCT 3110 Intermediate Accounting I**

**ACCT 3120 Intermediate Accounting II**

**ACCT 3130 Cost Management**

**ACCT 3140 Accounting Information Systems**

**ACCT 3197 Internship**

**ACCT 4110 Advanced Accounting**

**ACCT 4120 Federal Income Taxation**

**ACCT 4130 Financial Statements Analysis**

**ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest**

**ACCT 4160 Auditing**

**ACCT 4180 Fraud Examination**

**ACCT 4198 Special Studies**

**ACCT 4199 Independent Studies**

**ACCT 5110 Advanced Accounting Topics**

**ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest**

**ACCT 5180 Fraud Examination**

**ACCT 5198 Special Studies**

**ACCT 6110 Financial Reporting - Standard Setting Process and Financial Accounting Theory**

**ACCT 6112 Accounting and Finance Concepts for Strategic Planning**

**ACCT 6114 The CFO Perspective**

**ACCT 6120 Taxes and Business Strategy**

**ACCT 6122 Income Taxation of Corporations and Shareholders**

**ACCT 6124 Taxation of Flow-Through Entities**

**ACCT 6126 International Taxation**

**ACCT 6130 Accounting Information, Analysis, and Evaluation**

**ACCT 6160 Advanced Auditing**

**ACCT 6170 Professional Accounting Research**

**ACCT 6197 Internship Experience**

**ACCT 6198 Special Studies**

**ACCT 6199 Independent Studies**

## **Aerospace Studies (AERO)**

**AERO 100 Foundation of the USAF I**

**AERO 101 Foundation of the USAF II**

**AERO 102 Laboratory I**

**AERO 103 Laboratory II**

**AERO 200 The Evolution USAF Air and Space Power I**

**AERO 201 The Evolution of USAF Air and Space Power II**

**AERO 202 Laboratory III**

**AERO 203 Laboratory IV**

**AERO 300 Air Force Leadership Studies I**

**AERO 301 Air Force Leadership Studies II**

**AERO 302 Laboratory V**

**AERO 303 Laboratory VI**

**AERO 400 National Security Affairs Preparation for Active Duty I**

**AERO 401 National Security Affairs Preparation for Active Duty II**

**AERO 402 Laboratory VII**

**AERO 403 Laboratory VIII**

## **African American Studies (AFAM)**

**AFAM 1211 Introduction to African American Studies**

**AFAM 1998 Special Studies**

**AFAM 1999 Independent Studies**

**AFAM 2221 Black Cultural Arts**

**AFAM 2243 African American Studies Research Methods**

**AFAM 2261 Gospel Choir I**

**AFAM 2262 Gospel Choir II**

**AFAM 2263 Gospel Choir III**

**AFAM 2264 Gospel Choir IV**

**AFAM 2623 Comics, Race, and Representation**

**AFAM 2998 Special Studies**

**AFAM 2999 Independent Studies**

**AFAM 3112 African American Religious Traditions**

**AFAM 3211 African American History**

**AFAM 3231 The African American Religious Tradition**

**AFAM 3241 Africana Philosophy**

**AFAM 3308 Major Themes in African American History**

**AFAM 3309 Engaged Learning Lab**

**AFAM 3432 Black Families**

**AFAM 3621 African American Literature**

**AFAM 3623 American Cinema and Black Representation**

**AFAM 3643 Black Community Engagement**

**AFAM 3998 Special Studies**

**AFAM 3999 Independent Studies**

**AFAM 4241 Race, Gender, and the Law**

**AFAM 4422 Hip Hop Culture**

**AFAM 4433 Black Culture and Identities**

**AFAM 4631 Black Los Angeles**

**AFAM 4641 Capstone Project**

**AFAM 4642 Sex, Race, and Violence**

**AFAM 4644 African American Social Thought**

**AFAM 4998 Special Studies**

**AFAM 4999 Independent Studies**

**AFAM 5998 Special Studies**

**AFAM 5999 Independent Studies**

## **Applied Information Management Systems (AIMS)**

**AIMS 3710 Database Management Systems**

**AIMS 3720 Systems Analysis and Design**

**AIMS 3730 Programming for Business Applications**

**AIMS 3797 Internship**

**AIMS 4715 Developing Business Applications Using SQL**

**AIMS 4740 Financial Modeling and Analytics**

**AIMS 4755 Introduction to Big Data**

**AIMS 4796 Capstone Proposal Development**

**AIMS 4797 Capstone Project**

**AIMS 4798 Special Studies**

**AIMS 4799 Independent Studies**

## **Animation (ANIM)**

**ANIM 100 History of Animation**

**ANIM 101 Discovering Animation**

**ANIM 120 Beginning Animation Workshop**

**ANIM 198 Special Studies**

**ANIM 199 Independent Studies**

**ANIM 210 Visual Story Development**

**ANIM 220 Intermediate Animation Workshop**

**ANIM 230 Introduction to 3D Computer Animation**

**ANIM 250 Introduction to Interactive Animation**

**ANIM 260 Digital Toolbox**

**ANIM 298 Special Studies**

**ANIM 299 Independent Studies**

**ANIM 310 Intermediate Storyboard**

**ANIM 320 Mechanics of Animation**

**ANIM 330 Intermediate 3D Computer Animation**

**ANIM 331 Intermediate 2D Computer Animation**

**ANIM 332 Programming 3D Animation Tools**

**ANIM 350 Intermediate Interactive Animation**

**ANIM 352 Game Design**

**ANIM 353 Game Development**

**ANIM 360 Character Design**

**ANIM 370 Character Animation**

**ANIM 371 3D Character Animation**

**ANIM 380 Visual Effects Compositing**

**ANIM 398 Special Studies**

**ANIM 399 Independent Studies**

**ANIM 410 Advanced Storyboard**

**ANIM 420 Experimental Animation**

**ANIM 443 History and Analysis of Video Games**

**ANIM 450 Advanced Interactive Animation**

**ANIM 480 VR Studio**

**ANIM 490 Animation Practicum**

**ANIM 495 Thesis Project/Pre-Production**

**ANIM 496 Thesis Project/Production**

**ANIM 498 Special Studies**

**ANIM 499 Independent Studies**

## **Asian Pacific American Studies (APAM)**

**APAM 1117 Introduction to Asian Pacific American Studies: A Comparative and Global Perspective**

**APAM 1118 United States and the Pacific World**

**APAM 1998 Special Studies**

**APAM 1999 Independent Studies**

**APAM 2371 Asian Pacific American Literature**

**APAM 2417 Contemporary Issues of Asian Pacific Americans**

**APAM 2998 Special Studies**

**APAM 2999 Independent Studies**

**APAM 3998 Special Studies**

**APAM 3999 Independent Studies**

**APAM 4178 Asians in America: From the "Yellow Peril" to the "Model Minority"**

**APAM 4188 Imagining Asian Pacific America**

**APAM 4235 Asian Pacific American Women's Experience**

**APAM 4327 Asian American Psychology**

**APAM 4335 Asian Pacific American Politics and Social Movements**

**APAM 4337 Asian Pacific Americans and the American Law**

**APAM 4350 Immigration and Los Angeles**

**APAM 4450 Specific Ethnic Focus Seminars**

**APAM 4451 Multiracial Americans in the American Imagination**

**APAM 4453 Filipino American Experience**

**APAM 4457 Vietnamese American Experience**

**APAM 4459 Pacific Islander American Experience**

**APAM 4998 Special Studies**

**APAM 4999 Independent Studies**

**APAM 5000 Senior Thesis**

**Asian Pacific American Studies (APAZ)**

**APAZ 9000 Immigration and Los Angeles**

**Art History (ARHS)**

**ARHS 2000 Foundations of Western Art**

**ARHS 2002 Art and Society: Early Christian to Early Modern**

**ARHS 2004 Modernism**

**ARHS 2510 Social Design**

**ARHS 2540 Multimedia Art Survey**

**ARHS 2999 Independent Studies**

**ARHS 3100 Arts of Ancient Egypt**

**ARHS 3102 Arts of Ancient Greece**

**ARHS 3104 Arts of Ancient Rome**

**ARHS 3160 From Greece to Gotham: Archaeology of the Heroes**

**ARHS 3200 Medieval Art**

**ARHS 3311 Pre-Columbian Art**

**ARHS 3321 Latin American Art**

**ARHS 3331 Arts of Africa**

**ARHS 3341 Arts of Islam**

**ARHS 3351 Arts of Asia**

**ARHS 3540 Social and Aesthetic History of Photography**

**ARHS 3560 History of Design**

**ARHS 3999 Independent Studies**

**ARHS 4198 Special Studies**

**ARHS 4240 Italian Renaissance Art**

**ARHS 4250 Northern Renaissance Art**

**ARHS 4260 Baroque Art**

**ARHS 4298 Special Studies**

**ARHS 4301 Arts of India**

**ARHS 4303 Arts of China**

**ARHS 4305 Arts of Southeast Asia**

**ARHS 4307 Arts of Japan**

**ARHS 4351 Modern and Contemporary Arts of Asia**

**ARHS 4398 Special Studies**

**ARHS 4614 American Art**

**ARHS 4616 Nineteenth-Century European Art**

**ARHS 4630 Contemporary Art**

**ARHS 4640 Modern and Contemporary Art Criticism**

**ARHS 4698 Special Studies**

**ARHS 4710 Museum/Gallery Internship**

**ARHS 4730 LA Now**

**ARHS 4750 Art History Study Abroad**

**ARHS 4751 Art History Study Abroad**

**ARHS 4752 Study in Florence: The Italian Renaissance**

**ARHS 4754 Christian Faith and Visual Culture in Rome**

**ARHS 4756 The Making and Use of Space--Urban Art and Architecture**

**ARHS 4796 History of Museums**

**ARHS 4800 Junior/Senior Seminar in Art History**

**ARHS 4998 Special Studies**

**ARHS 4999 Independent Studies**

## **Art (ART)**

**ART 110 Freshman Workshop in Studio Arts**

**ART 150 Introduction to Studio Arts**

**ART 151 Introduction to Drawing and Printmaking**

**ART 153 Drawing I**

**ART 154 Drawing II: Figure Drawing**

**ART 160 Two-Dimensional Design**

**ART 182 Programming for Creative Applications**

**ART 198 Special Studies**

**ART 210 Portfolio Workshop in Studio Arts**

**ART 250 Visual Arts for the Elementary Educator**

**ART 255 Field Experience in Art**

**ART 257 Painting I**

**ART 260 Computer Graphics I**

**ART 275 Three-Dimensional Design**

**ART 276 Ceramic Sculpture**

**ART 278 Ceramics I: Earth and Art**

**ART 280 Photography I**

**ART 285 Introduction to Printmaking**

**ART 298 Special Studies**

**ART 299 Independent Studies**

**ART 300 Figure Drawing Workshop**

**ART 302 Design: Concept to Form**

**ART 303 Experimental Typography**

**ART 305 ARTsmart Community Service Program**

**ART 310 Drawing Workshop**

**ART 332 Eastern Immersion**

**ART 333 Visualizing Literature**

**ART 334 Animal Drawing**

**ART 335 Constructing Perspective and Geometry**

**ART 350 Visual Thinking**

**ART 352 Principles of Color**

**ART 354 Art and Ecology**

**ART 355 Experiencing Art and Social Justice**

**ART 356 Painting II**

**ART 358 Painting III**

**ART 360 Graphic Design I**

**ART 362 Creative Direction**

**ART 363 3D Digital Toolbox**

**ART 366 Multimedia Narratives**

**ART 367 Online Computer Arts**

**ART 368 Typography I**

**ART 370 Beginning Wheel Throwing**

**ART 371 Advanced Wheel Throwing**

**ART 374 Motion Graphics**

**ART 375 Figure Sculpture**

**ART 376 Sculpture Workshop**

**ART 378 Drawing and Clay**

**ART 379 Special Topics in Photography**

**ART 380 Photography II**

**ART 382 Digital Photography**

**ART 383 Advanced Multimedia**

**ART 385 Relief Printmaking**

**ART 386 Etching Printmaking**

**ART 387 Silkscreen Printmaking**

**ART 388 Screen Printing**

**ART 389 Lithography Printmaking**

**ART 394 Gallery Issues and Practices**

**ART 395 Design Entrepreneurship**

**ART 396 Design Praxis: Professional Practices in Design**

**ART 397 Professional Practices in Fine Arts**

**ART 398 Special Studies**

**ART 399 Independent Studies**

**ART 405 Building Community with the Arts**

**ART 447 Art in L.A.**

**ART 450 Arts Education Approaches for Social and Emotional Learning**

**ART 453 Drawing III: Formal Issues**

**ART 454 Drawing IV: Figure Composition**

**ART 455 Methods in Teaching Secondary Art**

**ART 460 Graphic Design II**

**ART 464 Introduction to User Experience Design**

**ART 468 Typography II**

**ART 478 Ceramics Workshop**

**ART 480 Color Photography**

**ART 481 Photographing Los Angeles**

**ART 485 Advanced Printmaking**

**ART 490 Senior Design Thesis**

**ART 494 Multimedia Internship**

**ART 495 Advanced Studio Studies**

**ART 497 Senior Thesis in Fine Arts**

**ART 498 Special Studies**

**ART 499 Independent Studies**

## **Asian and Pacific Studies (ASPA)**

**ASPA 2100 Asian Civilizations**

**ASPA 2998 Special Studies**

**ASPA 2999 Independent Studies**

**ASPA 3200 Masterpieces of East Asian Literature**

**ASPA 3300 Arts of Asia**

**ASPA 3400 Politics of Asia**

**ASPA 3500 Economic and Political Issues in Contemporary Asia**

**ASPA 3600 Introduction to Asian Media**

**ASPA 3800 Buddhism**

**ASPA 3850 Meditative Gaze: Dao and Film**

**ASPA 3860 Introduction to Asian Literature**

**ASPA 3870 China's Women and One Child Family**

**ASPA 3890 Contemporary Chinese Cinema**

**ASPA 3960 Hong Kong Cinema**

**ASPA 3970 Popular Culture in East Asia**

**ASPA 3998 Special Studies**

**ASPA 3999 Independent Studies**

**ASPA 4600 Women in Asia**

**ASPA 4820 Daoism: Theory and Practice**

**ASPA 4830 Advanced Asian Media**

**ASPA 4860 Topics in Asian Literature**

**ASPA 4870 Asian Mythology**

**ASPA 4880 Modern Asian Fiction**

**ASPA 4900 Asian Women Writers**

**ASPA 4998 Special Studies**

**ASPA 4999 Independent Studies**

**ASPA 5000 Senior Integrating Seminar**

## **Business Administration (BADM)**

**BADM 601 The Legal and Ethical Environment of Business**

**BADM 602 Financial and Managerial Accounting**

**BADM 603 Business Statistics**

**BADM 604 Business Economics**

**BADM 605 Management and Organizational Behavior**

**BADM 606 Marketing Management**

**BADM 607 Operations Analysis and Decision Support Systems**

**BADM 608 Financial Management**

**BADM 609 Management Information Systems**

**BADM 610 Management Strategy**

**BADM 611 Management Workshop: Introduction to Business and Communications**

**BADM 612 Management Workshop: Personal Development and Career Planning**

## **Business Core (BCOR)**

**BCOR 1910 Business for Good**

**BCOR 2110 Financial Accounting**

**BCOR 2120 Accounting Information for Decision Making**

**BCOR 2210 Legal Environment of Business**

**BCOR 2710 Business Information Technology**

**BCOR 3410 Fundamentals of Finance**

**BCOR 3510 Marketing and Business Communications**

**BCOR 3610 Managing People and Organizations**

**BCOR 3750 Operations and Supply Chain Management Analytics**

**BCOR 3860 International Business**

**BCOR 4910 Business Ethics and Sustainability**

**BCOR 4970 Strategic Management**

## **Bioethics (BIOE)**

**BIOE 1000 Introduction to Bioethics**

**BIOE 3000 Advanced Topics Seminar**

**BIOE 6000 Introduction to Bioethics**

**BIOE 6100 Bioethics at the Beginning of Life**

**BIOE 6200 Law and Bioethics**

**BIOE 6300 Bioethics at the End of Life**

**BIOE 6400 Clinical Bioethics**

**BIOE 6500 Elective Topics in Bioethics**

**BIOE 6600 Foundations of Theological Ethics**

**BIOE 6700 Foundations of Philosophical Ethics**

**BIOE 6999 Independent Studies**

## **Biology (BIOL)**

**BIOL 101 General Biology I**

**BIOL 102 General Biology II**

**BIOL 111 General Biology I Lab**

**BIOL 112 General Biology II Lab**

**BIOL 114 Biology for Engineers**

**BIOL 190 Freshman Biology Seminar**

**BIOL 194 Introduction to Research**

**BIOL 196 Independent Research with Faculty**

**BIOL 198 Special Studies**

**BIOL 199 Independent Studies**

**BIOL 201 Cell Function**

**BIOL 202 Genetics**

**BIOL 216 Medical Microbiology**

**BIOL 217 Medical Microbiology Lab**

**BIOL 260 Human Biology**

**BIOL 263 Natural History of Southern California**

**BIOL 264 The Marine Environment**

**BIOL 266 Sacred and Medicinal Plant Use**

**BIOL 271 Human Reproduction and Development**

**BIOL 272 Human Drug Use**

**BIOL 275 Human Genetics**

**BIOL 276 Epidemics and Infectious Diseases**

**BIOL 277 Plants and Society**

**BIOL 278 Tropical Marine Ecology**

**BIOL 294 Independent Research**

**BIOL 295 Biology Internship**

**BIOL 296 Independent Research with Faculty**

**BIOL 298 Special Studies**

**BIOL 299 Independent Studies**

**BIOL 304 Biostatistical Analysis**

**BIOL 309 Applied Plant Ecology**

**BIOL 311 Plant Interactions**

**BIOL 312 Field Botany**

**BIOL 314 Tropical Ecology**

**BIOL 315 World Vegetation Ecology**

**BIOL 316 Island Biology**

**BIOL 318 Principles of Ecology**

**BIOL 321 Urban Ecology**

**BIOL 322 Urban Ecology Lab**

**BIOL 325 Avian Biology Lab**

**BIOL 328 Tropical Marine Ecology**

**BIOL 329 Marine Ecology of Baja, California**

**BIOL 330 Embryology and Development**

**BIOL 333 Biology of Mammals**

**BIOL 334 Invertebrate Zoology**

**BIOL 335 Comparative Anatomy**

**BIOL 338 Animal Behavior**

**BIOL 340 Embryology**

**BIOL 341 Embryology Lab**

**BIOL 343 Developmental Biology**

**BIOL 344 Developmental Biology Lab**

**BIOL 351 General Physiology**

**BIOL 352 General Physiology Lab**

**BIOL 353 Plant Physiology**

**BIOL 354 Plant Physiology Laboratory**

**BIOL 355 Plants, Pharmacy, and Medicine**

**BIOL 356 Cell Biology**

**BIOL 357 Comparative Animal Physiology**

**BIOL 358 Hormones and Behavior**

**BIOL 359 Cell Biology Laboratory**

**BIOL 360 Comparative Animal Physiology Laboratory**

**BIOL 361 General Microbiology**

**BIOL 362 General Microbiology Laboratory**

**BIOL 363 Microbial Genomics Laboratory**

**BIOL 364 Cell Culture Laboratory**

**BIOL 367 Biological Databases**

**BIOL 368 Bioinformatics Laboratory**

**BIOL 370 Plant Biotechnology**

**BIOL 375 Advanced Genetics**

**BIOL 376 Genetics Laboratory**

**BIOL 380 Tropical Marine Ecology Laboratory**

**BIOL 381 Baja Marine Ecology Laboratory**

**BIOL 388 Biomathematical Modeling**

**BIOL 394 Independent Research**

**BIOL 395 Biology Internship**

**BIOL 396 Independent Research with Faculty**

**BIOL 398 Special Studies**

**BIOL 399 Independent Studies**

**BIOL 422 Marine Biology**

**BIOL 424 Marine Physiology Laboratory**

**BIOL 433 Histology**

**BIOL 437 Plant Development**

**BIOL 438 Plant Development Laboratory**

**BIOL 439 Molecular Biology Applications**

**BIOL 440 Molecular Neurobiology**

**BIOL 443 Molecular Biology**

**BIOL 445 Endocrinology**

**BIOL 449 Immunology**

**BIOL 450 Physiology of Disease**

**BIOL 456 Molecular Cell Biology and Lab**

**BIOL 460 Environmental Microbiology**

**BIOL 461 Microbial Genetics**

**BIOL 472 Epidemiology**

**BIOL 474 Principles of Evolution**

**BIOL 475 Evolution**

**BIOL 477 Conservation Genetics**

**BIOL 478 Molecular Biology of the Genome**

**BIOL 479 Molecular Mechanisms of Disease**

**BIOL 490 Biological Teaching**

**BIOL 491 Freshman Biological Teaching**

**BIOL 494 Independent Research**

**BIOL 496 Independent Research with Faculty**

**BIOL 498 Special Studies**

**BIOL 499 Independent Studies**

**BIOL 515 Ecology of Mutualisms**

**BIOL 518 Applied Ecology Research**

**BIOL 521 Urban Ecology**

**BIOL 522 Marine Biology Research**

**BIOL 523 Marine Conservation Research**

**BIOL 525 Marine Physiology Research**

**BIOL 528 Invertebrate Conservation Research**

**BIOL 531 Developmental Genetics Research**

**BIOL 532 Drosophila Genetics Research**

**BIOL 534 Cardiac Neural Crest Research**

**BIOL 536 Functional Morphology Research**

**BIOL 537 Vertebrate Paleo Research**

**BIOL 551 Behavior and Physiology Research**

**BIOL 552 Avian Biology Research**

**BIOL 561 Bioinformatics and Genomics Research**

**BIOL 562 Microbiology Research**

**BIOL 563 Molecular Genetics Research**

**BIOL 565 Plant Developmental Biology Research**

**BIOL 566 Plant Research**

**BIOL 567 Plant-Microbe Interactions Research**

**BIOL 569 Ethnobotany Seminar**

**BIOL 571 Conservation Biology Seminar**

**BIOL 575 Mitochondrial Biology Research**

**BIOL 584 Advanced Topics in Gene Expression**

**BIOL 585 Issues in Biotechnology Seminar**

**BIOL 586 Molecular Cell Biology Research**

**BIOL 587 Molecular Mechanisms in Development Seminar**

**BIOL 588 Advanced Systems Biology Research**

**BIOL 594 Independent Research**

**BIOL 598 Special Studies**

**BIOL 599 Independent Studies**

**Business Law (BLAW)**

**BLAW 3210 Legal Tools for Business Professionals**

**BLAW 3270 Marketing Law**

**BLAW 4210 Entertainment Law**

**BLAW 4220 Employment Law**

**BLAW 4230 Sports Law**

**BLAW 4240 Real Estate Law**

**BLAW 4250 International Business Law**

**BLAW 4260 Law for the Entrepreneur**

**BLAW 4270 Integration of Law, Ethics, and Spirituality**

**BLAW 4298 Special Studies**

**BLAW 4299 Independent Studies**

## **Business Analytics (BSAN)**

**BSAN 6010 Fundamentals of Business - Accounting, Finance & Operations**

**BSAN 6020 Marketing for Managers**

**BSAN 6030 Programming for Data Management**

**BSAN 6040 Data, Models and Decisions for Analytics**

**BSAN 6050 Customer Relationship Management Analytics**

**BSAN 6060 Data Management for Business Intelligence**

**BSAN 6070 Introduction to Machine Learning**

**BSAN 6080 Strategic Analytics Integration**

**BSAN 6088 Statistics Bootcamp and Capstone Project Preparation I**

**BSAN 6089 Capstone Project Preparation II: Research Design, Project Management, and People Dynamics**

**BSAN 6090 Capstone Project I**

**BSAN 6095 Capstone Project II**

**BSAN 6100 Data Visualization and Geographic Information Systems**

**BSAN 6200 Text-Mining and Social Media Analytics**

**BSAN 6300 Marketing Analytics**

**BSAN 6400 Healthcare Analytics**

## **Catholic Studies (CATH)**

**CATH 1020 American Catholicism**

**CATH 1030 Exploring the Catholic Theological Tradition**

**CATH 1998 Special Studies**

**CATH 1999 Independent Studies**

**CATH 3020 Late Antique and Medieval Western Christianity**

**CATH 3021 The History of Christianity from the Middle Ages to the Present**

**CATH 3022 Women in Christian History**

**CATH 3023 Medieval Religious Thought and Practice**

**CATH 3100 Ethics**

**CATH 3105 Ethics of Love and Marriage**

**CATH 3110 Environmental Ethics**

**CATH 3115 Ethics for Engineering and Science**

**CATH 3120 Business Ethics**

**CATH 3200 Medieval Art**

**CATH 3211 Jesus in Gospel and Film**

**CATH 3220 Eastern Christian Traditions**

**CATH 3221 Greek Orthodox Tradition**

**CATH 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue**

**CATH 3223 Mystics and Heretics**

**CATH 3230 Jesus, Kingdom, Church**

**CATH 3231 Catholicism after Vatican II**

**CATH 3232 U.S. Latinx Theology**

**CATH 3237 Sex and the City of God**

**CATH 3240 Water, Word, and Wine**

**CATH 3241 Meeting Christ in Faith and Art**

**CATH 3242 Faith and the Management Profession**

**CATH 3250 Psychology, Spirituality, Transformation**

**CATH 3252 Orthodox Christian Spirituality**

**CATH 3281 Islam in America**

**CATH 3285 Women and Religion**

**CATH 3310 Guadalupe: Queen of the Américas**

**CATH 3339 Rhetoric, Literature, and Religion**

**CATH 3400 Philosophy of Religion**

**CATH 3561 Christian Marriage and Sexuality**

**CATH 3563 Love and Justice**

**CATH 3712 Augustine**

**CATH 3741 Religion and Film**

**CATH 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation**

**CATH 3780 World Religions and Ecology**

**CATH 3998 Special Studies**

**CATH 3999 Independent Studies**

**CATH 4023 Medieval Theology**

**CATH 4031 Christology**

**CATH 4040 Eucharistic Theology**

**CATH 4051 Ignatian Spirituality**

**CATH 4090 Major Theological and Religious Thinker**

**CATH 4142 Transformation of Medieval Europe**

**CATH 4240 Italian Renaissance Art**

**CATH 4250 Northern Italian Renaissance Art**

**CATH 4260 Baroque Art**

**CATH 4900 Seminar in Catholic Studies**

**CATH 4998 Special Studies**

**CATH 4999 Independent Studies**

## **Chemistry (CHEM)**

**CHEM 110 General Chemistry I**

**CHEM 111 General Chemistry I Lab**

**CHEM 112 General Chemistry II**

**CHEM 113 General Chemistry II Lab**

**CHEM 114 General Chemistry for Engineers**

**CHEM 190 World of Chemistry and Biochemistry**

**CHEM 198 Special Studies**

**CHEM 199 Independent Studies**

**CHEM 220 Organic Chemistry I**

**CHEM 221 Organic Chemistry I Lab**

**CHEM 222 Organic Chemistry II**

**CHEM 223 Organic Chemistry II Lab**

**CHEM 250 Earth Systems**

**CHEM 261 The Science in Science Fiction**

**CHEM 262 The Chemical Environment**

**CHEM 270 Frontiers of Science**

**CHEM 281 The Science of CSI: An Introduction to Forensic Science**

**CHEM 290 Chemistry Seminar**

**CHEM 298 Special Studies**

**CHEM 299 Independent Studies**

**CHEM 330 Inorganic Chemistry**

**CHEM 331 Inorganic Chemistry Lab**

**CHEM 340 Physical Chemistry**

**CHEM 341 Physical Chemistry Lab**

**CHEM 342 Advanced Physical Chemistry**

**CHEM 343 Advanced Physical Chemistry Lab**

**CHEM 346 Physical Biochemistry**

**CHEM 347 Physical Biochemistry Lab**

**CHEM 352 Environmental Chemistry**

**CHEM 354 Air Pollution: Atmospheric Chemistry**

**CHEM 356 Sustainable Practices**

**CHEM 357 Environmental Chemistry: Atmosphere and Climate**

**CHEM 358 Environmental Chemistry: Water, Soil, and Sediment**

**CHEM 359 Environmental Chemistry Laboratory**

**CHEM 360 Analytical Chemistry and Lab**

**CHEM 370 Biochemistry**

**CHEM 371 Biochemistry Lab**

**CHEM 372 Advanced Biochemistry**

**CHEM 373 Advanced Biochemistry Lab**

**CHEM 380 Forensic Chemistry**

**CHEM 382 Wine Chemistry**

**CHEM 390 Chemistry Seminar**

**CHEM 391 Chemistry Seminar**

**CHEM 393 Chemistry/Biochemistry Internship**

**CHEM 397 Directed Research**

**CHEM 398 Special Studies**

**CHEM 399 Independent Studies**

**CHEM 420 Advanced Organic Chemistry**

**CHEM 421 Advanced Organic Chemistry Lab**

**CHEM 422 Physical Organic Chemistry**

**CHEM 430 Advanced Inorganic Chemistry**

**CHEM 434 Bioinorganic Chemistry**

**CHEM 460 Instrumental Analysis and Lab**

**CHEM 474 Food Chemistry**

**CHEM 476 Advanced Topics in Biochemistry and Biotechnology**

**CHEM 478 Introduction to Virology**

**CHEM 480 Medicinal Chemistry**

**CHEM 482 Toxicology**

**CHEM 490 Chemistry Seminar**

**CHEM 491 Chemistry Seminar**

**CHEM 493 Chemistry/Biochemistry Internship**

**CHEM 495 Chemistry Teaching**

**CHEM 497 Directed Research**

**CHEM 498 Special Studies**

**CHEM 499 Independent Studies**

**CHEM 560 Introduction to Modern Spectroscopy**

## **Chinese (CHIN)**

**CHIN 1998 Special Studies**

**CHIN 1999 Independent Studies**

**CHIN 2101 Chinese 1**

**CHIN 2102 Chinese 2**

**CHIN 2103 Chinese 3**

**CHIN 2104 Chinese 4**

**CHIN 2998 Special Studies**

**CHIN 2999 Independent Studies**

**CHIN 3605 Chinese 5**

**CHIN 3606 Chinese 6**

**CHIN 3998 Special Studies**

**CHIN 3999 Independent Studies**

**CHIN 4208 Selected Topics in Contemporary Chinese Society**

**CHIN 4212 Chinese Calligraphy**

**CHIN 4309 Modern China through Film**

**CHIN 4402 The Chinese Writing System**

**CHIN 4510 Modern Chinese Literature and Culture**

**CHIN 4807 Advanced Reading in Chinese**

**CHIN 4998 Special Studies**

**CHIN 4999 Independent Studies**

## **Civil Engineering (CIVL)**

**CIVL 200 Mechanics of Materials**

**CIVL 210 Surveying and Mapping**

**CIVL 230 Particle Dynamics**

**CIVL 250 Thermal-Fluid Systems**

**CIVL 302 Seismic Design of Structures**

**CIVL 305 Structural Theory**

**CIVL 310 Fluid Mechanics I**

**CIVL 311 Fluid Mechanics Lab**

**CIVL 320 Introduction to Environmental Engineering**

**CIVL 340 Analytical Methods in Civil Engineering I**

**CIVL 395 Engineering Economics and Decision Theory**

**CIVL 400 Fundamentals of Water and Wastewater Treatment**

**CIVL 406 Water Resources Planning and Design**

**CIVL 410 Soil Mechanics**

**CIVL 411 Design of Foundations and Earth Structures**

**CIVL 460 Civil Engineering Design, Practice, and Ethics**

**CIVL 498 Special Studies**

**CIVL 499 Independent Studies**

**CIVL 501 Sustainable Water Quality and Resources**

**CIVL 513 Solid Wastes Engineering**

**CIVL 515 Industrial Waste Management**

**CIVL 517 Water Treatment Processes**

**CIVL 518 Water Reuse and Desalination**

**CIVL 519 Advanced Integrated Water Treatment Systems**

**CIVL 526 Surface Water Hydrology**

**CIVL 527 Urban Water Systems and Stormwater Management**

**CIVL 528 Groundwater Hydrology and Sustainable Management**

**CIVL 529 Groundwater Contaminant Transport and Remediation**

**CIVL 530 Design of Concrete Structures**

**CIVL 531 Principles of Water Quality Management**

**CIVL 532 Structural Steel Design**

**CIVL 533 Design of Wood Structures**

**CIVL 537 Building Information Management**

**CIVL 538 Construction Management and Sustainability**

**CIVL 546 Geotechnical Earthquake Engineering**

**CIVL 547 Dams and Levees**

**CIVL 549 Hazardous Waste Remediation**

**CIVL 551 Remote Sensing with Civil Engineering and Environmental Science Applications**

**CIVL 553 Modeling Environmental and Water Resources Systems**

**CIVL 571 Air Quality, Control, and Management**

**CIVL 572 Sustainable Waste Management**

**CIVL 573 Economics of Water and the Environment**

**CIVL 574 Sustainable Engineering**

**CIVL 577 Transportation Engineering**

**CIVL 592 FE/EIT Other Disciplines (General) Preparation**

**CIVL 598 Special Studies**

**CIVL 599 Independent Studies**

**CIVL 601 Sustainable Water Quality and Resources**

**CIVL 613 Solid Wastes Engineering**

**CIVL 614 Industrial Waste Management**

**CIVL 617 Water Treatment Processes**

**CIVL 618 Water Reuse and Desalination**

**CIVL 619 Advanced Integrated Water Treatment Systems**

**CIVL 625 Applied Fluid Mechanics**

**CIVL 626 Surface Water Hydrology**

**CIVL 627 Urban Water Systems and Stormwater Management**

**CIVL 628 Groundwater Hydrology and Sustainable Management**

**CIVL 629 Groundwater Contaminant Transport and Remediation**

**CIVL 630 Design of Concrete Structures**

**CIVL 632 Design of Steel Structures**

**CIVL 633 Design of Wood Structures**

**CIVL 638 Construction Management and Sustainability**

**CIVL 646 Geotechnical Earthquake Engineering**

**CIVL 647 Dams and Levees**

**CIVL 649 Contaminated Site Remediation**

**CIVL 651 Remote Sensing with Civil Engineering and Environmental Science Applications**

**CIVL 653 Modeling Environmental and Water Resources Systems**

**CIVL 656 Water Resources Systems Modeling**

**CIVL 671 Air Quality, Control, and Management**

**CIVL 672 Sustainable Waste Management**

**CIVL 673 Economics of Water and the Environment**

**CIVL 674 Sustainable Engineering**

**CIVL 677 Transportation Engineering**

**CIVL 690 Comprehensive Oral Exam**

**CIVL 691 FE/EIT Environmental Preparation**

**CIVL 692 FE/EIT Other Disciplines (General) Preparation**

**CIVL 695 Master Thesis**

**CIVL 696 Thesis Defense**

**CIVL 698 Special Studies**

**CIVL 699 Independent Studies**

## **Classics and Archaeology (CLAR)**

**CLAR 1110 Elementary Greek I**

**CLAR 1111 Greek and Latin for Medicine I**

**CLAR 1112 Greek and Latin for Medicine II**

**CLAR 1115 Elementary Latin I**

**CLAR 1120 Elementary Greek II**

**CLAR 1125 Elementary Latin II**

**CLAR 1130 Biblical Hebrew**

**CLAR 1135 Readings in Classical Hebrew**

**CLAR 1350 Egyptian Hieroglyphics**

**CLAR 1998 Special Studies**

**CLAR 1999 Independent Studies**

**CLAR 2200 Epic Poetry**

**CLAR 2210 Greek Tragedy in Performance**

**CLAR 2220 Ancient Comedy in Performance**

**CLAR 2230 Ancient Historians**

**CLAR 2240 Ancient Greece**

**CLAR 2250 Ancient Rome**

**CLAR 2340 Archaeological Methods and Techniques**

**CLAR 2360 Ancient Near East**

**CLAR 2998 Special Studies**

**CLAR 2999 Independent Studies**

**CLAR 3130 Biblical Hebrew**

**CLAR 3210 Classical and Near Eastern Myths**

**CLAR 3220 Greek and Roman Religions**

**CLAR 3230 Arts of Greece**

**CLAR 3240 Arts of Rome**

**CLAR 3330 Introduction to Near Eastern Religions**

**CLAR 3345 Babylonian Cuneiform**

**CLAR 3350 Ancient Egyptian Religion**

**CLAR 3360 Aegean Art and Archaeology**

**CLAR 3370 Egyptian Art and Archaeology**

**CLAR 3390 Archaeology of the Levant**

**CLAR 3998 Special Studies**

**CLAR 3999 Independent Studies**

**CLAR 4210 Axial Age**

**CLAR 4220 Classical Hellenism, Race, Ethnicity**

**CLAR 4230 Ancient World and Film**

**CLAR 4240 Greek Cinema**

**CLAR 4250 Anne Carson: Classic Iconoclast**

**CLAR 4270 Representations of Greece: Ancient and Modern**

**CLAR 4280 Greek Film Festival Internship**

**CLAR 4350 Archaeology and the Bible**

**CLAR 4360 From Greece to Gotham: Archaeology of the Heroes**

**CLAR 4371 Archaeology Lab: Ancient Textiles: From Fiber Production to Social Identity**

**CLAR 4372 Archaeology Lab: Chalcolithic Culture of the Levant**

**CLAR 4380 Archaeology Field Experience**

**CLAR 4410 Capstone Research Skills**

**CLAR 4420 Capstone Presentation**

**CLAR 4998 Special Studies**

**CLAR 4999 Independent Studies**

**Chicana/o and Latina/o Studies (CLST)**

**CLST 1116 Introduction to Chicana/o-Latina/o Studies**

**CLST 1998 Special Studies**

**CLST 1999 Independent Studies**

**CLST 2100 Interdisciplinary and Intersectional Methods**

**CLST 2206 Introduction to Chicana/o, Latina/o Literature**

**CLST 2998 Special Studies**

**CLST 2999 Independent Studies**

**CLST 3301 Literature by Women of Color**

**CLST 3302 Chicanas and Latinas in the U.S.**

**CLST 3308 Contemporary Urban Issues**

**CLST 3309 Engaged Learning Lab**

**CLST 3310 Guadalupe, Queen of the Américas**

**CLST 3320 Racial and Ethnic Politics**

**CLST 3332 Chicana/o-Latina/o Literature**

**CLST 3354 Prison Literature**

**CLST 3360 Chicana/o and Latina/o History**

**CLST 3362 Histories of Race and Sport**

**CLST 3363 History of Women in California**

**CLST 3367 History of Los Angeles**

**CLST 3370 Politics of Mexico**

**CLST 3371 Mexico City/LA Comparison**

**CLST 3380 Media, Race, and Representation**

**CLST 3381 Power and Popular Culture**

**CLST 3998 Special Studies**

**CLST 3999 Independent Studies**

**CLST 4310 Chicana/o Politics**

**CLST 4350 Immigration and Los Angeles**

**CLST 4380 The Politics of California**

**CLST 4390 The Politics of Los Angeles**

**CLST 4404 Latina Feminist Theory**

**CLST 4406 Chicana/o Consciousness**

**CLST 4410 Critical Indigenous Studies**

**CLST 4998 Special Studies**

**CLST 4999 Independent Studies**

**CLST 5001 Capstone Research**

**CLST 5002 Advanced Critical Methods**

**CLST 5003 Capstone Seminar**

## **Computer Science (CMSI)**

**CMSI 161 Computing in the Popular Culture**

**CMSI 182 Introduction to Computer Science**

**CMSI 185 Computer Programming**

**CMSI 186 Programming Laboratory**

**CMSI 261 Language, Thought, and Computation**

**CMSI 264 Cryptography and Cryptanalysis**

**CMSI 266 Electronic Markets**

**CMSI 281 Data Structures**

**CMSI 282 Algorithms**

**CMSI 284 Computer Systems Organization**

**CMSI 298 Special Studies**

**CMSI 299 Independent Studies**

**CMSI 355 Networks**

**CMSI 367 Biological Databases**

**CMSI 370 Interaction Design**

**CMSI 371 Computer Graphics**

**CMSI 375 Game Design**

**CMSI 376 Game Development**

**CMSI 377 Introduction to Virtual Worlds**

**CMSI 385 Introduction to Theory of Computation**

**CMSI 386 Programming Languages**

**CMSI 387 Operating Systems**

**CMSI 390 Internship or Practicum**

**CMSI 392 Human Contexts and Computer Ethics**

**CMSI 398 Special Studies**

**CMSI 399 Independent Studies**

**CMSI 401 Software Engineering Lab**

**CMSI 402 Senior Project Lab**

**CMSI 432 Cognitive Systems Design**

**CMSI 485 Artificial Intelligence**

**CMSI 486 Introduction to Database Systems**

**CMSI 488 Language Translation and Implementation**

**CMSI 490 Great Writings in Computer Science**

**CMSI 498 Special Studies**

**CMSI 499 Independent Studies**

**CMSI 511 Microprocessors**

**CMSI 517 Embedded Systems**

**CMSI 532 Probability and Random Processes**

**CMSI 533 Data Science**

**CMSI 535 Machine Learning**

**CMSI 537 Natural Language Processing**

**CMSI 540 Software Architecture**

**CMSI 543 Agile Development and Project Management**

**CMSI 544 Engineering for Autonomy**

**CMSI 560 Introduction to Cybersecurity**

**CMSI 563 Cyberdefense**

**CMSI 583 Computability and Complexity**

**CMSI 585 Programming Language Semantics**

**CMSI 598 Special Studies**

**CMSI 599 Independent Studies**

**CMSI 611 Information Theory**

**CMSI 612 Motion Capture Laboratory**

**CMSI 619 Internet of Things**

**CMSI 620 Database Systems**

**CMSI 627 Knowledge-Based Systems**

**CMSI 630 Artificial Intelligence**

**CMSI 632 Cognitive Systems**

**CMSI 634 Deep Learning Applications**

**CMSI 638 Multi-agent Systems and Distributed Artificial Intelligence**

**CMSI 655 Wireless Networks**

**CMSI 656 Wireless Sensor Networks**

**CMSI 662 Secure Software Development**

**CMSI 664 Advanced Cybersecurity Management**

**CMSI 670 Topics in Interaction Design**

**CMSI 672 Computer Vision**

**CMSI 675 Game Design and Architecture**

**CMSI 690 Research Methods**

**CMSI 694 Graduate Capstone Project**

**CMSI 695 Master's Thesis I**

**CMSI 696 Master's Thesis II**

**CMSI 697 Master's Thesis III**

**CMSI 698 Special Studies**

**CMSI 699 Independent Studies**

## **Communication Studies (CMST)**

**CMST 1600 Nature of Theory**

**CMST 1700 Nature of Inquiry**

**CMST 2100 Relational Communication**

**CMST 2200 Intercultural Communication**

**CMST 2300 Organizational Communication**

**CMST 2400 Contemporary Rhetorical Theory**

**CMST 2500 Media Studies**

**CMST 2700 Interrogating Tourism**

**CMST 2800 Advanced Public Communication**

**CMST 2900 Communication Approaches to PR**

**CMST 2998 Special Studies**

**CMST 2999 Independent Studies**

**CMST 3110 Gender Communication**

**CMST 3120 Family Communication**

**CMST 3130 Prosocial Behavior and Communication**

**CMST 3140 Spiritualism and Loving Relationships**

**CMST 3150 Persuasion**

**CMST 3180 Leadership and Interpersonal Communication**

**CMST 3190 Advanced Topics in Interpersonal Communication**

**CMST 3191 Relationships in Context**

**CMST 3192 Global Intimacies**

**CMST 3210 Power and Culture**

**CMST 3290 Advanced Topics in Intercultural Communication**

**CMST 3310 Media and Marketing Communication**

**CMST 3320 Sexualities and Organizational Communication**

**CMST 3325 Communication and Healthcare**

**CMST 3330 Corporate Ethics and Social Responsibility**

**CMST 3335 Sport and Public Communication**

**CMST 3340 Communication and Work Life Balance**

**CMST 3350 Nonprofit Communication Campaigns**

**CMST 3370 Gender and the Workplace**

**CMST 3380 Communication Consulting**

**CMST 3390 Advanced Topics in Organizational Communication**

**CMST 3410 Political Communication**

**CMST 3420 Rhetoric of Women**

**CMST 3430 Culture, Crime, and Punishment**

**CMST 3440 Media Criticism**

**CMST 3450 Rhetoric of Social Movements**

**CMST 3455 Public Advocacy and Activism**

**CMST 3460 Gender, Sexuality, and the Media**

**CMST 3470 Primetime Crime**

**CMST 3480 Visual Communication**

**CMST 3490 Advanced Topics in Rhetoric**

**CMST 3510 Wires and Empires**

**CMST 3520 Digital Self**

**CMST 3530 Digital Rhetoric**

**CMST 3540 Environmental Communication**

**CMST 3550 Documentary in the Digital Age**

**CMST 3590 Advanced Topics in Media Studies**

**CMST 3630 For the Love of the Game**

**CMST 3640 Popular Culture and the Law**

**CMST 3650 Performance, Culture, and Sexualities**

**CMST 3660 Making Social Worlds**

**CMST 3670 Communication Theory and Popular Culture**

**CMST 3671 Comix and the Graphic Novel**

**CMST 3710 Community Based Learning**

**CMST 3810 Advanced Forensics**

**CMST 3820 Communication Practicum**

**CMST 3830 Communication and Legal Practice**

**CMST 3840 Mediation and Communication**

**CMST 3860 Entertainment Management and Communication**

**CMST 3998 Special Studies**

**CMST 3999 Independent Studies**

**CMST 4150 Relational Communication Capstone**

**CMST 4250 Intercultural Communication Capstone**

**CMST 4350 Organizational Communication Capstone**

**CMST 4450 Rhetoric Capstone**

**CMST 4500 Media Studies Capstone**

**CMST 4750 Qualitative Methods Capstone**

**CMST 4999 Independent Studies**

**Dance (DANC)**

**DANC 100 Orientation to Dance**

**DANC 102 Modern/Contemporary Dance I**

**DANC 120 Ballet I**

**DANC 142 Jazz Dance I**

**DANC 144 Tap Dance I**

**DANC 160 Fundamentals of Dance Composition I: The Choreographic Process**

**DANC 161 Fundamentals of Dance Composition II: Dance Improvisation**

**DANC 163 Introduction to Choreography**

**DANC 174 Introduction to Yoga**

**DANC 183 Stagecraft for Dancers**

**DANC 198 Special Studies**

**DANC 199 Independent Studies**

**DANC 202 Modern/Contemporary Dance II**

**DANC 220 Ballet II**

**DANC 222 Fundamentals of Ballet Technique**

**DANC 242 Jazz Dance II**

**DANC 244 Tap Dance II**

**DANC 248 Musical Theatre Dance I**

**DANC 260 Laban Movement Analysis: Applications for Dance Making**

**DANC 262 Dance Styles and Forms**

**DANC 281 History of Dance Theatre**

**DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society**

**DANC 298 Special Studies**

**DANC 299 Independent Studies**

**DANC 302 Modern/Contemporary Dance III**

**DANC 320 Ballet III**

**DANC 323 Intermediate/Advanced Ballet**

**DANC 342 Jazz Dance III**

**DANC 344 Tap Dance III**

**DANC 345 Jazz Dance IV**

**DANC 347 Intermediate Hip Hop**

**DANC 348 Musical Theatre Dance II**

**DANC 353 Dance Conditioning**

**DANC 363 Multiple Ways of Knowing and Showing: Music and Dance**

**DANC 364 Multiple Ways of Knowing and Showing: Laboratory**

**DANC 371 Martial Arts**

**DANC 374 Yoga I**

**DANC 375 Yoga II**

**DANC 376 Yoga for Dancers**

**DANC 377 Dance Production**

**DANC 378 Service Project**

**DANC 379 Dance Tour Group**

**DANC 380 Music for Dance**

**DANC 382 Drumming for Dance**

**DANC 385 Movement Arts for Children**

**DANC 387 Dance as Social Action**

**DANC 388 Careers in Dance**

**DANC 397 Dance in Its Cultural Context**

**DANC 398 Special Studies**

**DANC 399 Independent Studies**

**DANC 402 Modern/Contemporary Dance IV**

**DANC 403 Friday Dance Workshop**

**DANC 404 Modern/Contemporary Dance V**

**DANC 420 Ballet IV**

**DANC 421 Pointe and Variations**

**DANC 423 Ballet V**

**DANC 444 Tap Dance IV**

**DANC 445 Jazz Dance V**

**DANC 446 Jazz Dance VI**

**DANC 460 Dance Theory and Criticism**

**DANC 461 Senior Thesis: Project**

**DANC 462 Mentorship: Senior Thesis**

**DANC 479 Rehearsal and Performance**

**DANC 480 Kinesiology for Dancers I**

**DANC 481 Kinesiology for Dancers II**

**DANC 484 Principles of Teaching Dance**

**DANC 485 Internships**

**DANC 487 Dance Media and Technology**

**DANC 489 Performance Techniques Workshop**

**DANC 498 Special Studies**

**DANC 499 Independent Studies**

## **Economics (ECON)**

**ECON 1050 Introductory Economics**

**ECON 1100 Introductory Microeconomics**

**ECON 1200 Introductory Macroeconomics**

**ECON 1998 Special Studies**

**ECON 1999 Independent Studies**

**ECON 2300 Introductory Statistics**

**ECON 2350 Accelerated Introductory Statistics**

**ECON 2998 Special Studies**

**ECON 2999 Independent Studies**

**ECON 3100 Intermediate Microeconomics**

**ECON 3200 Intermediate Macroeconomics**

**ECON 3220 Money and Banking**

**ECON 3300 Econometrics**

**ECON 3340 Forecasting Methods**

**ECON 3380 Economic Geography**

**ECON 3400 U.S. Economic History**

**ECON 3410 World Economic History**

**ECON 3420 History of Economic Thought**

**ECON 3480 Economics of Film and Fiction**

**ECON 3520 The Economics of Giving**

**ECON 3540 Economics of Green Decision Making**

**ECON 3560 Urban Economics**

**ECON 3580 Sports Economics**

**ECON 3600 Financial Economics**

**ECON 3620 Managerial Economics**

**ECON 3640 Multinational Corporation**

**ECON 3660 Personal Finance**

**ECON 3690 Chinese Economic and Business System**

**ECON 3700 International Trade**

**ECON 3720 International Finance Theory**

**ECON 3740 Economic Development of Minority Communities**

**ECON 3750 Global Poverty**

**ECON 3850 Internships in Economics**

**ECON 3900 Global Economics Minor Reflection Paper**

**ECON 3998 Special Studies**

**ECON 3999 Independent Studies**

**ECON 4100 Intermediate Microeconomics II**

**ECON 4120 Economics and Ethics**

**ECON 4140 Game Theory**

**ECON 4160 Environmental Economics**

**ECON 4180 Economics of Education**

**ECON 4340 Experimental and Behavioral Economics**

**ECON 4500 Industrial Organization**

**ECON 4520 Political Economy**

**ECON 4540 Labor Economics**

**ECON 4560 Law and Economics**

**ECON 4580 Health Economics**

**ECON 4740 Economic Development**

**ECON 4900 Senior Assessment**

**ECON 4998 Special Studies**

**ECON 4999 Independent Studies**

**ECON 5300 Mathematics for Economics**

**ECON 5320 Advanced Econometrics**

**ECON 5900 Senior Seminar**

**ECON 5998 Special Studies**

**ECON 5999 Independent Studies**

## **Economics (ECOZ)**

**ECOZ 9000 Economics and Ethics**

## **Clinical Education (EDCE)**

**EDCE 410 Elementary Directed Teaching**

**EDCE 412 Secondary Directed Teaching**

**EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities**

**EDCE 459 Student Teaching Seminar**

**EDCE 461 Teaching Performance Assessment 1**

**EDCE 462 Teaching Performance Assessment 2**

**EDCE 463 Teaching Performance Assessment 3**

**EDCE 464 Teaching Performance Assessment 4**

**EDCE 498 Special Studies**

**EDCE 499 Independent Studies**

**EDCE 5950 Teaching Performance Assessment Task 1, Subject Specific Pedagogy**

**EDCE 5951 Teaching Performance Assessment Task 2, Subject Designing Instruction**

**EDCE 5952 Teaching Performance Assessment Task 3, Assessing Learning**

**EDCE 5953 Teaching Performance Assessment Task 4, Culminating Teaching Experience**

**EDCE 5961 Early Childhood Fieldwork 1**

**EDCE 5962 Early Childhood Fieldwork 2**

**EDCE 5963 Early Childhood Fieldwork 3**

**EDCE 5970 Fieldwork 1**

**EDCE 5971 Fieldwork 2**

**EDCE 5972 Fieldwork 3**

**EDCE 5973 Fieldwork 4**

**EDCE 5974 Fieldwork Support**

**EDCE 5976 Elementary Directed Teaching**

**EDCE 5977 Secondary Directed Teaching**

**EDCE 5978 Directed Teaching with Students with Mild/Moderate Disabilities**

**EDCE 5981 Special Education Clinical Supervision I**

**EDCE 5982 Special Education Clinical Supervision II**

**EDCE 5983 Special Education Fieldwork and Seminar 3**

**EDCE 5984 Special Education Fieldwork and Seminar 4**

**EDCE 5998 Special Studies**

**EDCE 5999 Independent Studies**

**EDCE 6955 Master's Thesis I**

**EDCE 6956 Master's Thesis II**

**EDCE 6957 Master's Thesis III**

**EDCE 6965 Action Research Fieldwork Support Course I**

**EDCE 6966 Action Research Fieldwork Support II**

**EDCE 6995 Comprehensive Examination**

**EDCE 6998 Special Studies**

**EDCE 6999 Independent Studies**

## **Elementary and Secondary Education (EDES)**

**EDES 405 Infancy**

**EDES 406 Early Childhood**

**EDES 407 Child, Family, and Community**

**EDES 408 Early Childhood Education Programs and Curriculum**

**EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting**

**EDES 418 Bilingualism and Biliteracy**

**EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective**

**EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings**

**EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective**

**EDES 498 Special Studies**

**EDES 499 Independent Studies**

**EDES 501 Teaching and Learning in Diverse Communities**

**EDES 502 Creating and Leading Effective Classroom Environments**

**EDES 503 Language Theory and Pedagogy: Second Language Acquisition**

**EDES 504 Assessment to Inform Instruction for Diverse Students**

**EDES 505 Perspectives and Policies that Guide Education**

**EDES 506 Using Technology in the Classroom**

**EDES 507 Integrated Teaching Methods for Diverse Populations**

**EDES 508 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom**

**EDES 509 STEM Integrated Methodology and Elementary Curriculum**

**EDES 510 Elementary Teaching Seminar**

**EDES 511 Content Literacy for Single Subject Educators**

**EDES 512 Secondary Content Methodology for Teaching Languages Other than English**

**EDES 513 Secondary Content Methodology for Teaching Social Science**

**EDES 514 Secondary Content Methodology for Teaching English**

**EDES 515 Secondary Content Methodology for Teaching Science**

**EDES 516 Secondary Content Methodology for Teaching Math**

**EDES 517 Secondary Content Methodology for Teaching Art**

**EDES 518 Secondary Teaching Seminar**

**EDES 519 Clinical Supervision 1**

**EDES 522 Elementary Clinical Supervision 2**

**EDES 523 Elementary Clinical Supervision 3**

**EDES 524 Elementary Clinical Supervision 4**

**EDES 532 Secondary Clinical Supervision 2**

**EDES 533 Secondary Clinical Supervision 3**

**EDES 534 Secondary Clinical Supervision 4**

**EDES 598 Special Studies**

**EDES 5001 Applied Educational Psychology for the Childhood and Adolescent Years**

**EDES 5101 Teaching and Learning in Diverse Communities**

**EDES 5102 Creating and Leading Effective Classroom Environments**

**EDES 5103 Language Theory and Pedagogy: Second Language Acquisition**

**EDES 5104 Assessment to Inform Instruction for Diverse Learners**

**EDES 5105 Perspectives and Policies that Guide Education**

**EDES 5106 Using Technology in the Classroom**

**EDES 5107 Integrated Teaching Methods for Diverse Populations**

**EDES 5108 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom**

**EDES 5109 STEM Integrated Methodology and Elementary Curriculum**

**EDES 5110 Elementary Teaching Seminar**

**EDES 5111 Content Literacy for Single Subject Teachers**

**EDES 5112 Secondary Content Methodology for Teaching Languages Other than English**

**EDES 5113 Secondary Content Methodology for Teaching Social Science**

**EDES 5114 Secondary Content Methodology for Teaching English**

**EDES 5115 Secondary Content Methodology for Teaching Science**

**EDES 5116 Secondary Content Methodology for Teaching Math**

**EDES 5117 Secondary Content Methodology for Teaching Art**

**EDES 5118 Secondary Teaching Seminar**

**EDES 5119 Clinical Supervision 1**

**EDES 5122 Elementary Clinical Supervision 2**

**EDES 5123 Elementary Clinical Supervision 3**

**EDES 5124 Elementary Clinical Supervision 4**

**EDES 5132 Secondary Clinical Supervision 2**

**EDES 5133 Secondary Clinical Supervision 3**

**EDES 5134 Secondary Clinical Supervision 4**

**EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective**

**EDES 5324 Bilingualism and Bilingual Literacy**

**EDES 5325 Curriculum and Instructional Leadership in a Bilingual Setting**

**EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective**

**EDES 5400 Developmental Theories**

**EDES 5401 Infancy**

**EDES 5402 Early Childhood**

**EDES 5403 Cognition and Language**

**EDES 5404 Child, Family, and Community**

**EDES 5405 Early Childhood Education Programs and Curriculum**

**EDES 5406 Social and Emotional Development**

**EDES 5407 Research Methods and Early Childhood Assessment**

**EDES 5408 Early Childhood Education Program Administration**

**EDES 5964 Leadership and Clinical Practice**

**EDES 5998 Special Studies**

**EDES 5999 Independent Studies**

**EDES 6001 Theory and Applications in Developmental Reading Instruction**

**EDES 6002 Assessing the Reading Performance of Struggling Readers**

**EDES 6003 Detection and Diagnosis of Literacy Difficulties**

**EDES 6004 Looking at the Classroom Culture through a Linguistic Lens**

**EDES 6005 Resourcing and Implementing Technology for Effective Reading**

**EDES 6006 Literacy Curriculum and Design Implementation**

**EDES 6007 Critical Analysis of Current Literacy Education in Urban Schools**

**EDES 6008 Motivating All Readers in the Content Areas**

**EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners**

**EDES 6080 Advance Course 1: Special Populations, English Language Learners, Health, and Technology**

**EDES 6081 Advance Course 2: Special Populations, English Language Learners, Health, and Technology**

**EDES 6103 Curriculum and Instructional Leadership**

**EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting**

**EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings**

**EDES 6340 Educational Linguistics**

**EDES 6345 Literacy Fieldwork**

**EDES 6350 Linguistics and Reading**

**EDES 6351 Assessment in Reading Performance**

**EDES 6352 Seminar: The Reading Professional**

**EDES 6353 Technology and Reading**

**EDES 6354 Reading Development and Instruction**

**EDES 6355 Introduction to Reading Difficulties**

**EDES 6356 Diagnosis and Intervention in Reading--Practicum I**

**EDES 6357 Diagnosis and Intervention in Reading--Practicum II**

**EDES 6358 Research and Trends in Reading Education**

**EDES 6359 Field Experience--The Reading Professional**

**EDES 6441 Universally Designed Curriculum and Instruction and Assistive Technology**

**EDES 6442 Socio-emotional Learning and Positive Behavior Support**

**EDES 6443 Assessment and Instruction for Students with Varying Abilities**

**EDES 6444 Practicum in Catholic Inclusive Education**

**EDES 6445 Policies and Practices for Students with Varying Abilities**

**EDES 6446 Capstone Project**

**EDES 6608 Research Methods in Special Education**

**EDES 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities**

**EDES 6610 Special Topics in Special Education**

**EDES 6611 Master's Professional Project**

**EDES 6900 Educational Studies Capstone Project**

**EDES 6995 Comprehensive Examination**

**EDES 6998 Special Studies**

**EDES 6999 Independent Studies**

**EDES 8000 Health Education**

## **Educational Leadership (EDLA)**

**EDLA 489 Leadership Seminar I**

**EDLA 490 Leadership Seminar II**

**EDLA 491 Leadership Seminar III**

**EDLA 498 Special Studies**

**EDLA 499 Independent Studies**

**EDLA 6101 Foundations of Charter School Leadership: Vision of Learning for Diverse Students, Families, Staff, and Community**

**EDLA 6102 Charter School Instructional Leadership: Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community**

**EDLA 6103 Specialized Charter School Leadership Preparation with Petition Writing Lab**

**EDLA 6105 Assessment and Research Methodology**

**EDLA 6420 An Invitation to Lead**

**EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component**

**EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity**

**EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component**

**EDLA 6424 Organizational Management for Student Learning**

**EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component**

**EDLA 6426 Instructional Technology for School Leaders**

**EDLA 6427 Advocacy from a Legal Perspective**

**EDLA 6428 Business of Education**

**EDLA 6429 Specializing in Charter Schools**

**EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education**

**EDLA 6431 Organizational Leadership in Catholic Education**

**EDLA 6432 Instructional Leadership in Catholic Education**

**EDLA 6433 Visions of Learning**

**EDLA 6434 Student Learning and Professional Growth**

**EDLA 6435 Transforming Organizations**

**EDLA 6441 Fieldwork/CalAPA Cycle 1**

**EDLA 6442 Fieldwork/CalAPA Cycle 2**

**EDLA 6443 Fieldwork/CalAPA Cycle 3**

**EDLA 6710 Leadership in Higher Education I**

**EDLA 6711 Foundations of Higher Education**

**EDLA 6712 Organization and Administration in Higher Education**

**EDLA 6713 Theories of College Student Development**

**EDLA 6714 Leadership in Catholic Higher Education**

**EDLA 6715 Community College Leadership**

**EDLA 6720 Fieldwork in Higher Education**

**EDLA 6721 Higher Education Law and Public Policy**

**EDLA 6722 Resource Management in Higher Education**

**EDLA 6723 Leadership in Higher Education II**

**EDLA 6840 Spirituality and Leadership in Catholic School Teaching**

**EDLA 6950 Advanced Research Methods**

**EDLA 6951 Advanced Research Design**

**EDLA 6995 Comprehensive Examination**

**EDLA 6998 Special Studies**

**EDLA 6999 Independent Studies**

**EDLA 7001 Leadership for Social Justice in Education**

**EDLA 7002 Moral and Ethical Leadership**

**EDLA 7004 Organizational Theory and Change**

**EDLA 7005 Educational Change and Innovation**

**EDLA 7020 Situated Inquiry in Education**

**EDLA 7021 Quantitative Research in Education**

**EDLA 7022 Qualitative Research in Education**

**EDLA 7023 Doctoral Colloquia**

**EDLA 7040 Context and Current Topics in Public Education**

**EDLA 7042 Management of Fiscal/Human Capital**

**EDLA 7043 Legal and Policy Issues in Education**

**EDLA 7045 Transformational Leadership for Student Achievement**

**EDLA 7049 Research Seminar**

**EDLA 7060 Context and Current Topics in Private Education**

**EDLA 7940 Preliminary Review Design**

**EDLA 7950 Dissertation Proposal Design**

**EDLA 7951 Dissertation Seminar I**

**EDLA 7952 Dissertation Seminar II**

**EDLA 7953 Doctoral Seminar I**

**EDLA 7954 Doctoral Seminar II**

**EDLA 7955 Doctoral Seminar III**

**EDLA 7990 Advancement to Candidacy**

**EDLA 7998 Special Studies**

**EDLA 7999 Independent Studies**

## **Specialized Programs in Professional Psychology (EDSP)**

**EDSP 427 Creating Effective Classrooms in Diverse Settings**

**EDSP 436 Creating Collaborative Partnerships**

**EDSP 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs**

**EDSP 443 Informal Assessment and Individual Education Program (IEP) Development for Students with Exceptional Needs**

**EDSP 444 Observation and Participation in General and Special Education Programs**

**EDSP 445 Special Education: Advocacy and the Law**

**EDSP 452 Psychological and Educational Assessment**

**EDSP 453 Introduction to the Study of Disability and Special Education**

**EDSP 454 Major Issues and Foundations of Special Education**

**EDSP 455 Development of IEPs for Students with Exceptional Needs**

**EDSP 475 Teaching and Assessing Students with Mild/Moderate Disabilities**

**EDSP 476 Policies and Issues in Education for Diverse Learners with Disabilities**

**EDSP 492 Behavior and Classroom Management Techniques for Teachers**

**EDSP 498 Special Studies**

**EDSP 499 Independent Studies**

**EDSP 5002 Survey of Second Language Acquisition Theories**

**EDSP 5300 Introduction to Teaching and Learning in General and Special Education**

**EDSP 5301 Managing Learning Environments**

**EDSP 5303 Foundations in Child Welfare and Attendance**

**EDSP 5304 School Attendance Improvement and Truancy Remediation: Prevention and Intervention**

**EDSP 5305 CWA Fieldwork and Supervision**

**EDSP 5500 Concepts and Principles of Applied Behavior Analysis**

**EDSP 5501 Behavior Assessment and Measurement**

**EDSP 5502 Behavior Change I: Reinforcement, Stimulus Control, Teaching New Behaviors and Supervision**

**EDSP 5503 Behavior Change II: Verbal Behavior, Preventing and Reducing Unwanted Behaviors, and Supervision**

**EDSP 5504 Experimental Design and Data Interpretation**

**EDSP 5505 Ethical Compliance and Professionalism**

**EDSP 5600 Philosophical Assumptions of Applied Behavior Analysis**

**EDSP 5998 Special Studies**

**EDSP 5999 Independent Studies**

**EDSP 6001 Teaching Culturally/Linguistically Diverse Students with Exceptional Needs**

**EDSP 6101 Psychology and Education of Culturally/Linguistically Diverse Students with Exceptional Students**

**EDSP 6104 Leadership for Instruction, Learning, and Achievement**

**EDSP 6106 Human Development and Learning**

**EDSP 6251 Secondary School Curriculum and Methods for Math and Science**

**EDSP 6300 Creating Effective Classrooms**

**EDSP 6301 Creating Collaborative Partnerships**

**EDSP 6302 Assessment of Students with Exceptional Needs**

**EDSP 6303 Teaching and Assessing Students with Mild/Moderate Disabilities**

**EDSP 6304 Policies and Issues in Education for Diverse Learners with Disabilities**

**EDSP 6310 Professional Induction Planning Seminar**

**EDSP 6311 Advanced Issues in Assessment and Instruction of Students with Special Needs**

**EDSP 6312 Consultation and Collaboration for Students with Special Needs**

**EDSP 6313 Supportive Environments for Students with Behavioral and Emotional Needs**

**EDSP 6314 Professional Educator Evaluation Seminar**

**EDSP 6317 Research and Leadership in Special Education**

**EDSP 6318 Supporting Behavior and Social Skills for Students with Exceptional Needs**

**EDSP 6319 Literacy Instruction for Special Needs Students in Single Subject Classrooms**

**EDSP 6320 Development of IEPs for Students with Exceptional Needs**

**EDSP 6325 Foundation of Special Education**

**EDSP 6362 Counseling Theories and Techniques**

**EDSP 6365 Research Methodology and Statistics**

**EDSP 6366 Principles, Organization, and Administration of Pupil Personnel and Human Services**

**EDSP 6368 Career Counseling and Educational Planning**

**EDSP 6372 Consultation and Collaboration in Schools**

**EDSP 6376 Crisis and Trauma Counseling**

**EDSP 6377 Multicultural Counseling**

**EDSP 6378 Group Counseling**

**EDSP 6379 Social, Emotional, and Behavioral Functioning**

**EDSP 6382 Ethical and Legal Issues**

**EDSP 6384 Practicum in School Psychology**

**EDSP 6386 Culturally Responsive Counseling with Individuals**

**EDSP 6390 Lifespan Development**

**EDSP 6391 Foundations of Counseling**

**EDSP 6392 Psychopharmacology**

**EDSP 6393 Assessment, Appraisal, and Diagnosis**

**EDSP 6394 Helping Skills**

**EDSP 6395 Addictions Counseling: Foundations of Wellness**

**EDSP 6396 Human Sexuality**

**EDSP 6397 Trauma Counseling: Theories and Interventions**

**EDSP 6400 Community Psychology: Theories and Practice**

**EDSP 6500 Foundations of Ethical, Professional, and Legal Practice in School Psychology**

**EDSP 6502 Determinants of Child and Adolescent Learning and Development**

**EDSP 6504 Statistics, Research Methods, and Program Evaluation**

**EDSP 6506 Seminar in Counseling and Interpersonal Relations**

**EDSP 6508 Student Diversity and Exceptionality**

**EDSP 6510 Seminar in Instruction and Learning**

**EDSP 6512 Group Counseling and Intervention with Children and Adolescents**

**EDSP 6513 Advanced Counseling Seminar I**

**EDSP 6514 Family, School, and Community Collaboration**

**EDSP 6515 Advanced Counseling Seminar II**

**EDSP 6516 Seminar in Motivation and Achievement**

**EDSP 6518 Assessment and Intervention for Cognitive and Learning Problems I**

**EDSP 6520 Prevention, Intervention, and Consultation**

**EDSP 6522 Assessment and Intervention for Cognitive and Learning Problems II**

**EDSP 6524 Practicum in School Psychology I**

**EDSP 6525 Practicum in School Psychology II**

**EDSP 6526 Social Responsibility, Violence Prevention, and Crisis Intervention in Schools**

**EDSP 6528 Social, Emotional, and Behavioral Assessment**

**EDSP 6530 Treatment of Emotional and Behavioral Disorders in Children and Adolescents**

**EDSP 6532 Seminar in School Systems and Psychological Services**

**EDSP 6534 Advanced Assessment and Positive Behavioral Intervention**

**EDSP 6536 Special Issues and Best Practices in School Psychological Services**

**EDSP 6538 Supervised Internship in School Psychology I**

**EDSP 6540 Supervised Internship in School Psychology II**

**EDSP 6612 Master's Thesis**

**EDSP 6820 Education of Students with Exceptional Needs in Catholic Schools**

**EDSP 6821 Informal Assessment and Program Development in Catholic Schools**

**EDSP 6822 Creating Successful Inclusion Programs**

**EDSP 6823 Advanced Practicum in Catholic Inclusive Education**

**EDSP 6940 Fieldwork in Mental Health Counseling I**

**EDSP 6942 Fieldwork in Multicultural and Social Justice Counseling I**

**EDSP 6945 Fieldwork in Mental Health Counseling II**

**EDSP 6947 Fieldwork in Multicultural and Social Justice Counseling II**

**EDSP 6955 Master's Thesis I**

**EDSP 6956 Master's Thesis II**

**EDSP 6957 Master's Thesis III**

**EDSP 6970 Fieldwork in School Counseling I**

**EDSP 6972 Fieldwork in Guidance Counseling**

**EDSP 6980 Fieldwork in School Counseling II**

**EDSP 6984 Internship Fieldwork Supervision**

**EDSP 6990 Fieldwork in School Counseling III**

**EDSP 6995 Comprehensive Examination**

**EDSP 6998 Special Studies**

**EDSP 6999 Independent Studies**

## **Specialized Programs in Urban Education (EDUR)**

**EDUR 400 Sociocultural Analysis of Education**

**EDUR 498 Special Studies**

**EDUR 499 Independent Studies**

**EDUR 5004 Elementary School Literacy and Language Development**

**EDUR 5005 Literacy in the Content Areas**

**EDUR 5010 Theories of Teaching, Learning, and Assessment**

**EDUR 5012 Culture and Language Learning in Urban Education**

**EDUR 5014 Multiple Subjects in Curriculum and Instruction**

**EDUR 5016 Teaching Students with Special Needs in Urban Education**

**EDUR 5018 Research in Urban Education**

**EDUR 5020 Research Project in Urban Education**

**EDUR 5021 Teaching English Learners**

**EDUR 5022 Transformative Pedagogy**

**EDUR 5023 Introduction to Teaching and Learning**

**EDUR 5024 Critical Issues in Education**

**EDUR 5025 Introduction to Elementary Methods and Literacy**

**EDUR 5026 Development of Elementary Methods and Literacy**

**EDUR 5027 Introduction to Assessment**

**EDUR 5028 Advanced Assessment for Teachers**

**EDUR 5029 Introduction to Secondary Mathematics and Literacy**

**EDUR 5030 Advanced Secondary Mathematics and Literacy**

**EDUR 5031 Introduction to Approaches to Teaching Science and Literacy**

**EDUR 5032 Contemporary Approaches to Teaching Science and Literacy**

**EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy**

**EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy**

**EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting**

**EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting**

**EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting**

**EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting**

**EDUR 5039 Introduction to Teaching Physical Education in a Departmentalized Setting**

**EDUR 5040 Contemporary Approaches to Teaching Physical Education in a Departmentalized Setting**

**EDUR 5041 Introduction to Teaching Industrial and Technology Education in a Departmentalized Setting**

**EDUR 5042 Contemporary Approaches to Teaching Industrial and Technology Education in a Departmentalized Setting**

**EDUR 5043 Introduction to Teaching Music in a Departmentalized Setting**

**EDUR 5044 Contemporary Approaches to Teaching Music in a Departmentalized Setting**

**EDUR 5045 Introduction to Teaching Health Science in a Departmentalized Setting**

**EDUR 5046 Contemporary Approaches to Teaching Health Science in a Departmentalized Setting**

**EDUR 5047 Introduction to Teaching Art in a Departmentalized Setting**

**EDUR 5048 Contemporary Approaches to Teaching Art in a Departmentalized Setting**

**EDUR 5051 Urban Education Field Experience 1**

**EDUR 5052 Urban Education Field Experience 2**

**EDUR 5501 Practicum: Educational Practices in Action in Secondary Math and Science Classrooms**

**EDUR 5503 Practicum: Differentiated Education in Action in Secondary Math and Science Urban Education**

**EDUR 5505 Research-Supported Math/Science Practices in Urban Education**

**EDUR 5580 Teaching Mathematics and Science in Urban Schools**

**EDUR 5581 Mentorship in Math and Science Education**

**EDUR 5582 Collaboration in Math and Science Education**

**EDUR 5998 Special Studies**

**EDUR 5999 Independent Studies**

**EDUR 6100 Anthropological Analysis of Cultural Diversity**

**EDUR 6102 The Context of Schooling**

**EDUR 6221 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary, Secondary, and Adult Educators**

**EDUR 6222 Applied Linguistics: A Second Language Acquisition/Bilingual Instructional Perspective**

**EDUR 6252 Secondary School Curriculum and Methods for Language Arts and Social Studies**

**EDUR 6324 Technology in Multilingual Settings**

**EDUR 6327 Learning and Teaching with Technology**

**EDUR 6328 Survey of Digital Technologies for Urban Education**

**EDUR 6329 Assistive Technology**

**EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning**

**EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments**

**EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings**

**EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning**

**EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies)**

**EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies)**

**EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling**

**EDUR 6607 Developing as a Professional Educator**

**EDUR 6613 Special Education Intern Seminar 1**

**EDUR 6614 Special Education Intern Fieldwork 1**

**EDUR 6615 Special Education Intern Seminar 2**

**EDUR 6616 Special Education Intern Fieldwork 2**

**EDUR 6955 Master's Thesis I**

**EDUR 6956 Master's Thesis II**

**EDUR 6957 Master's Thesis III**

**EDUR 6960 Introduction to Teaching and Learning**

**EDUR 6961 Fieldwork Supervision: Portfolio and Assessment of Teaching**

**EDUR 6963 Seminar in Advanced Teaching Methodologies**

**EDUR 6968 Action Research in Urban Education**

**EDUR 6995 Comprehensive Examination**

**EDUR 6998 Special Studies**

**EDUR 6999 Independent Studies**

## **Education (EDUZ)**

**EDUZ 9000 Introduction to Degree Completion**

**EDUZ 9099 Independent Studies**

## **Electrical Engineering (ELEC)**

**ELEC 210 Electric Circuit Analysis**

**ELEC 213 Electric Circuit Analysis Lab**

**ELEC 220 Electric Circuit Applications**

**ELEC 281 Logic Design**

**ELEC 298 Special Studies**

**ELEC 299 Independent Studies**

**ELEC 301 Junior Lab I**

**ELEC 302 Junior Lab II**

**ELEC 353 Electronics I**

**ELEC 354 Electronics II**

**ELEC 361 Electromagnetics**

**ELEC 371 Linear Systems**

**ELEC 383 Introduction to Microprocessors**

**ELEC 385 Computer System Design**

**ELEC 398 Special Studies**

**ELEC 399 Independent Studies**

**ELEC 400 Design Methodology**

**ELEC 401 Senior Lab I**

**ELEC 402 Senior Project**

**ELEC 423 Communications I**

**ELEC 424 Communications II**

**ELEC 453 Digital Integrated Electronics**

**ELEC 462 Microwave and Optical Communications**

**ELEC 472 Control Systems**

**ELEC 481 Introduction to Computer Networks**

**ELEC 498 Special Studies**

**ELEC 499 Independent Studies**

**ELEC 521 Introduction to Communication Systems**

**ELEC 522 Image Processing**

**ELEC 525 Digital Signal Processing**

**ELEC 532 Probability and Random Processes**

**ELEC 533 Data Science for Machine Learning**

**ELEC 535 Machine Learning**

**ELEC 553 Optical Engineering**

**ELEC 562 Digital System Design with VHDL**

**ELEC 563 ASIC Design**

**ELEC 567 Introduction to Digital VLSI Design**

**ELEC 571 Embedded Systems**

**ELEC 572 Computer Networks and Socket Programming**

**ELEC 584 Introduction to Microprocessors II**

**ELEC 585 Computer Organization and Architecture**

**ELEC 598 Special Studies**

**ELEC 599 Independent Studies**

**ELEC 602 Motion Capture Laboratory**

**ELEC 621 Information Theory and Coding**

**ELEC 624 Digital Communication Theory**

**ELEC 626 Satellite Communication Systems**

**ELEC 628 Spread Spectrum Systems**

**ELEC 631 Numerical Methods in Engineering**

**ELEC 632 Optimization Techniques in Signal Processing**

**ELEC 634 Deep Learning Applications**

**ELEC 637 Optical Communication Systems**

**ELEC 651 Communication Electronics**

**ELEC 662 Analog VLSI Design**

**ELEC 663 Digital VLSI Design**

**ELEC 670 Radar Engineering**

**ELEC 673 Wireless Networks**

**ELEC 680 Wireless Sensor Networks**

**ELEC 681 Internet of Things**

**ELEC 682 Arithmetic Processors**

**ELEC 685 Diagnostic Design and Fault-Tolerant Computers**

**ELEC 686 Microprocessor Applications**

**ELEC 687 Computer Networks**

**ELEC 688 Advanced Computer Architecture**

**ELEC 689 Advanced Topics in Computer Design**

**ELEC 694 Graduate Capstone Project**

**ELEC 695 Master's Thesis I**

**ELEC 696 Master's Thesis II**

**ELEC 697 Master's Thesis III**

**ELEC 698 Special Studies**

**ELEC 699 Independent Studies**

## **English (ENGL)**

**ENGL 1100 English for Academic Purposes**

**ENGL 1115 University Writing Lab**

**ENGL 1116 Practicum in Tutoring Writing and Liberal Arts**

**ENGL 1998 Special Studies**

**ENGL 1999 Independent Studies**

**ENGL 2200 Genres: Drama**

**ENGL 2201 Genres: Poetry**

**ENGL 2202 Genres: Fiction**

**ENGL 2203 Histories: British Literature I**

**ENGL 2204 Histories: British Literature II**

**ENGL 2205 Creative Writing for Non-Majors**

**ENGL 2206 Language of Journalism**

**ENGL 2207 Introduction to Poetry**

**ENGL 2208 Introduction to Fiction**

**ENGL 2209 Introduction to Drama**

**ENGL 2210 Writing for Journalism: Workshop**

**ENGL 2222 Creativity through Constraints**

**ENGL 2296 Special Studies in Genres**

**ENGL 2297 Special Studies in Histories**

**ENGL 2998 Special Studies**

**ENGL 2999 Independent Studies**

**ENGL 3300 Critical and Ethical Issues in Journalism**

**ENGL 3303 Reviewing the Arts**

**ENGL 3304 Writing for Advertising**

**ENGL 3310 The Human Condition: A Long-form Journalism Practicum**

**ENGL 3316 Modern Drama**

**ENGL 3320 Shakespeare's World, the World's Shakespeare**

**ENGL 3321 Shakespeare: The Major Plays**

**ENGL 3322 Studies in Shakespeare**

**ENGL 3323 Shakespeare and Politics**

**ENGL 3324 Jack Kerouac and the Beats**

**ENGL 3325 Contemporary Poetry**

**ENGL 3326 Contemporary Drama**

**ENGL 3327 Experiments in Genre in 17th Century English Drama**

**ENGL 3328 Oscar Wilde**

**ENGL 3332 The Short Story**

**ENGL 3333 Early American Short Story**

**ENGL 3338 Detecting the Divine**

**ENGL 3339 Rhetoric, Literature, and Religion**

**ENGL 3341 Studies in World Literature**

**ENGL 3342 Images of Women in Nineteenth-Century England**

**ENGL 3343 Twentieth-Century Women's Writing**

**ENGL 3344 African American Literature**

**ENGL 3345 Studies in Multi-Ethnic Literature**

**ENGL 3346 Children's Literature**

**ENGL 3347 Fairy Tales**

**ENGL 3348 Caribbean Literature**

**ENGL 3349 Longing and Belonging: The Literatures of Israel**

**ENGL 3350 Chicana/o-Latina/o Literature**

**ENGL 3351 Classical Mythology**

**ENGL 3352 Portraits of the Artist**

**ENGL 3353 Chicana/o Consciousness**

**ENGL 3354 Prison Literature**

**ENGL 3361 Reading Methods**

**ENGL 3362 Reading Cultural Studies**

**ENGL 3371 American Literature I**

**ENGL 3372 American Literature II**

**ENGL 3373 RoadRead**

**ENGL 3374 RoadWrite**

**ENGL 3375 StreetRead**

**ENGL 3376 StreetWrite**

**ENGL 3381 Journalism and New Media**

**ENGL 3998 Special Studies**

**ENGL 3999 Independent Studies**

**ENGL 4400 Photojournalism**

**ENGL 4401 Telling Stories with Sound**

**ENGL 4402 Writing Internship in Media**

**ENGL 4403 Non-Fiction Workshop**

**ENGL 4405 Literary Non-Fiction Workshop**

**ENGL 4406 Journalism: Interview: Workshop**

**ENGL 4407 Investigative Reporting**

**ENGL 4408 Journalism: Editing Workshop**

**ENGL 4409 Reporter in the Story**

**ENGL 4411 Fiction Writing Workshop: Narrative and Style**

**ENGL 4412 Poetry Writing Workshop: Imagination**

**ENGL 4413 Play Writing Workshop: One-Acts**

**ENGL 4421 Fiction Writing Workshop: Dialogue and Scene**

**ENGL 4422 Poetry Writing Workshop: Forms**

**ENGL 4424 Play Writing Workshop: Full-Lengths**

**ENGL 4431 Fiction Writing Workshop: The Components of the Short Story**

**ENGL 4432 Poetry Writing Workshop: Voice**

**ENGL 4433 Play Writing Workshop: Adaptation**

**ENGL 4460 Hard News to Blogs: Post-1800 Journalism**

**ENGL 4463 The Art of the Essay**

**ENGL 4464 Publishing a Journal**

**ENGL 4465 Arts and Culture Journalism**

**ENGL 4466 Journalism: The Age of Content**

**ENGL 4467 Journalism and Law**

**ENGL 4468 Journalism: Capstone**

**ENGL 4469 Practicum in Journalism I**

**ENGL 4470 Practicum in Journalism II**

**ENGL 4471 Sports Journalism**

**ENGL 4472 Broadcast Journalism**

**ENGL 4473 Mobile Media Journalism**

**ENGL 4481 Time in 20th/21st Century Fiction and Film**

**ENGL 4998 Special Studies**

**ENGL 4999 Independent Studies**

**ENGL 5501 Journalism: Telling LA's Story**

**ENGL 5502 The Arthurian Romance**

**ENGL 5503 English Literature of the Middle Ages**

**ENGL 5504 Chaucer**

**ENGL 5507 The Idea of the Vernacular**

**ENGL 5511 Political Journalism**

**ENGL 5513 Milton**

**ENGL 5521 British Literature: 1660-1800**

**ENGL 5522 Eighteenth-Century English Novel**

**ENGL 5530 Studies in Romanticism**

**ENGL 5532 The Nineteenth-Century English Novel**

**ENGL 5533 Victorian Literature**

**ENGL 5534 Literature of the Holocaust**

**ENGL 5541 British Fiction: 1900-1950**

**ENGL 5542 British Literature: 1950 to the Present**

**ENGL 5543 British Poetry: 1900-1950**

**ENGL 5544 Modern Irish Literature**

**ENGL 5545 Contemporary Irish Literature**

**ENGL 5546 Irish Renaissance**

**ENGL 5547 Irish Short Story**

**ENGL 5548 Irish Women Writers**

**ENGL 5549 The Dark Stuff: Horror in Irish Literature**

**ENGL 5552 American Renaissance**

**ENGL 5553 American Realism and Naturalism**

**ENGL 5554 Modern American Fiction**

**ENGL 5555 American Fiction Since 1950**

**ENGL 5556 Modern American Poetry**

**ENGL 5557 Nineteenth-Century American Women Writers**

**ENGL 5558 Caribbean Literature**

**ENGL 5559 Survey of Literary Criticism**

**ENGL 5560 Power: American Literature, Theory, Society**

**ENGL 5562 Contemporary Rhetorical Theory**

**ENGL 5563 Creative Writing Seminar**

**ENGL 5565 Theory of Teaching Writing and Literature**

**ENGL 5566 Metaphor: Theory and Practice**

**ENGL 5567 Style in Writing**

**ENGL 5568 A Course About Nothing**

**ENGL 5569 Linguistics**

**ENGL 5571 Writing the Novella: Workshop**

**ENGL 5573 Writing Literary Dialogue**

**ENGL 5574 Rhetoric and Media**

**ENGL 5575 The Art of Rhetoric**

**ENGL 5582 Poetry of Witness**

**ENGL 5583 Poetry of Night**

**ENGL 5584 The Black Aesthetic**

**ENGL 5590 The Feminist Critique: Journalism, the Arts, and Gender**

**ENGL 5591 Literary Journalism**

**ENGL 5592 Pazz and Jop: Music Criticism**

**ENGL 5595 Capstone Seminar**

**ENGL 5602 The Arthurian Romance**

**ENGL 5603 English Literature of the Middle Ages**

**ENGL 5604 Chaucer**

**ENGL 5607 The Idea of the Vernacular**

**ENGL 5613 Milton**

**ENGL 5621 British Literature: 1660-1800**

**ENGL 5622 Eighteenth-Century English Novel**

**ENGL 5630 Studies in Romanticism**

**ENGL 5632 The Nineteenth-Century English Novel**

**ENGL 5633 Victorian Literature**

**ENGL 5634 Literature of the Holocaust**

**ENGL 5641 British Fiction: 1900-1950**

**ENGL 5642 British Literature: 1950 to the Present**

**ENGL 5643 British Poetry: 1900-1950**

**ENGL 5644 Modern Irish Literature**

**ENGL 5645 Contemporary Irish Literature**

**ENGL 5646 Irish Renaissance**

**ENGL 5647 Irish Short Story**

**ENGL 5648 Irish Women Writers**

**ENGL 5649 The Dark Stuff: Horror in Irish Literature**

**ENGL 5652 American Renaissance**

**ENGL 5653 American Realism and Naturalism**

**ENGL 5654 Modern American Fiction**

**ENGL 5655 American Fiction Since 1950**

**ENGL 5656 Modern American Poetry**

**ENGL 5657 Nineteenth-Century American Women Writers**

**ENGL 5658 Caribbean Literature**

**ENGL 5659 Survey of Literary Criticism**

**ENGL 5660 Power: American Literature, Theory, Society**

**ENGL 5662 Contemporary Rhetorical Theory**

**ENGL 5663 Creative Writing Seminar**

**ENGL 5665 Theory of Teaching Writing and Literature**

**ENGL 5666 Metaphor: Theory and Practice**

**ENGL 5667 Style in Writing**

**ENGL 5669 Linguistics**

**ENGL 5671 Writing the Novella: Workshop**

**ENGL 5673 Writing Literary Dialogue**

**ENGL 5674 Rhetoric and Media**

**ENGL 5675 The Art of Rhetoric**

**ENGL 5682 Poetry of Witness**

**ENGL 5683 Poetry of Night**

**ENGL 5684 The Black Aesthetic**

**ENGL 5690 The Feminist Critique: Journalism, the Arts, and Gender**

**ENGL 5691 Literary Journalism**

**ENGL 5692 Pazz and Jop: Music Criticism**

**ENGL 5998 Special Studies**

**ENGL 5999 Independent Studies**

**ENGL 6600 Critical Methodology**

**ENGL 6601 Seminar in a Literary Period**

**ENGL 6602 Seminar in a Genre**

**ENGL 6603 Seminar in a Major Writer**

**ENGL 6604 Seminar Literary Theory**

**ENGL 6605 Contemporary Critical Theory**

**ENGL 6606 Seminar in Rhetoric**

**ENGL 6607 Seminar in Composition Theory**

**ENGL 6608 Reading and Writing the Other**

**ENGL 6610 Seminar in Creative Writing**

**ENGL 6694 Capstone Portfolio**

**ENGL 6998 Special Studies**

**ENGL 6999 Independent Studies**

## **English (ENGZ)**

**ENGZ 9000 The Literature of the New Land: American Expatriate Writers**

## **Engineering (ENGR)**

**ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design**

**ENGR 160 Algorithms and Applications**

**ENGR 198 Special Studies**

**ENGR 199 Independent Studies**

**ENGR 200 Statics**

**ENGR 278 The Science of the Automobile**

**ENGR 298 Special Studies**

**ENGR 299 Independent Studies**

**ENGR 300 Fundamentals of Engineering (FE) Exam**

**ENGR 398 Special Studies**

**ENGR 399 Independent Studies**

**ENGR 400 Senior Seminar**

**ENGR 498 Special Studies**

**ENGR 499 Independent Studies**

## **Entrepreneurship (ENTR)**

**ENTR 1310 Fundamentals of Entrepreneurship**

**ENTR 1398 Special Studies**

**ENTR 2310 Technology Trends, Opportunities, and Tools**

**ENTR 3350 New Venture Creation**

**ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing**

**ENTR 3360 Corporate Entrepreneurship and Innovation**

**ENTR 3370 Entrepreneurial Acquisitions**

**ENTR 3397 Internship**

**ENTR 3398 Special Studies**

**ENTR 4310 Entrepreneurial Finance**

**ENTR 4320 Real Estate Finance, Investment, and Entrepreneurship**

**ENTR 4325 Real Estate Development**

**ENTR 4340 International Entrepreneurship**

**ENTR 4370 Product and Business Design**

**ENTR 4380 Business Incubation**

**ENTR 4381 Managing New Ventures**

**ENTR 4382 Leading and Managing Change**

**ENTR 4383 Social Entrepreneurship**

**ENTR 4385 Entrepreneurial Leadership**

**ENTR 4398 Special Studies**

**ENTR 4399 Independent Studies**

## **Environmental Science (ENVS)**

**ENVS 101 Introduction to Environmental Science**

**ENVS 199 Independent Studies**

**ENVS 210 Surveying and Mapping**

**ENVS 250 Earth Science**

**ENVS 263 Surfing and the Ocean Realm**

**ENVS 275 The Automobile and the Environment**

**ENVS 276 Atmospheric Science**

**ENVS 279 Principles of Environmental Sustainability**

**ENVS 310 Oceanography**

**ENVS 318 Principles of Ecology**

**ENVS 356 Sustainable Practices**

**ENVS 357 Environmental Chemistry: Atmosphere and Climate**

**ENVS 358 Environmental Chemistry: Water, Soil, and Sediment**

**ENVS 359 Environmental Chemistry Lab**

**ENVS 361 General Microbiology**

**ENVS 362 General Microbiology Laboratory**

**ENVS 398 Special Studies**

**ENVS 399 Independent Studies**

**ENVS 401 Senior Seminar/Project**

**ENVS 490 Environmental Science Teaching**

**ENVS 491 Environmental Science Capstone I**

**ENVS 492 Environmental Science Capstone II**

**ENVS 493 Environmental Science Internship**

**ENVS 498 Special Studies**

**ENVS 499 Independent Studies**

**ENVS 505 Aquatic Chemistry**

**ENVS 506 Applied Environmental Microbiology**

**ENVS 507 Environmental Engineering and Science Lab**

**ENVS 508 Contaminant Fate, Transport, and Remediation**

**ENVS 513 Solid Waste Engineering**

**ENVS 525 Inland Waters**

**ENVS 551 Remote Sensing with Civil Engineering and Environmental Science Applications**

**ENVS 552 Spatial Data Analysis and Geographical Information Systems**

**ENVS 580 Engineering Geology**

**ENVS 581 Ecosystem Services in Urban Landscapes**

**ENVS 582 Urban Coasts: Habitats, Stressors, and Resilience**

**ENVS 583 Environmental Toxicology and Health Risk**

**ENVS 584 Climate Change and Impacts**

**ENVS 586 Climate Change Mitigation**

**ENVS 587 Climate Change Adaptation and Resilience**

**ENVS 588 Environmental Health**

**ENVS 589 Sustainability, Health, and Equity**

**ENVS 593 Environmental Science Internship Workshop**

**ENVS 598 Special Studies**

**ENVS 599 Independent Studies**

**ENVS 601 Sustainable Water Quality and Resources**

**ENVS 605 Aquatic Chemistry**

**ENVS 606 Applied Environmental Microbiology**

**ENVS 607 Environmental Engineering and Science Lab**

**ENVS 608 Contaminant Fate, Transport, and Remediation**

**ENVS 613 Solid Wastes Engineering**

**ENVS 651 Remote Sensing with Civil Engineering and Environmental Science Applications**

**ENVS 652 Spatial Data Analysis and Geographical Information Systems**

**ENVS 680 Engineering Geology**

**ENVS 681 Ecosystem Services in Urban Landscapes**

**ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience**

**ENVS 683 Environmental Toxicology and Health Risk**

**ENVS 684 Climate Change and Impacts**

**ENVS 686 Climate Change Mitigation**

**ENVS 687 Climate Change Adaptation and Resilience**

**ENVS 688 Environmental Health**

**ENVS 689 Sustainability, Health, and Equity**

**ENVS 690 Comprehensive Oral Exam**

**ENVS 695 Master Thesis**

**ENVS 696 Thesis Defense**

**ENVS 698 Special Studies**

**ENVS 699 Independent Studies**

## **Environmental Studies (EVST)**

**EVST 1000 Introduction to Environmental Studies**

**EVST 1010 Introduction to Geographic Information Systems**

**EVST 1998 Special Studies**

**EVST 1999 Independent Studies**

**EVST 2998 Special Studies**

**EVST 2999 Independent Studies**

**EVST 3010 Environmental Policy**

**EVST 3020 Sustainable Cities**

**EVST 3998 Special Studies**

**EVST 3999 Independent Studies**

**EVST 4001 Environmental Studies Capstone Seminar**

**EVST 4998 Special Studies**

**EVST 4999 Independent Studies**

## **First Year Seminar (FFYS)**

**FFYS 1000 First Year Seminar**

## **Finance (FNCE)**

**FNCE 1401 Planning for a Career in Finance**

**FNCE 3400 Fundamentals of Corporate Finance**

**FNCE 3415 Valuation and Financial Modeling**

**FNCE 3420 Investments**

**FNCE 3430 Financial Policy**

**FNCE 3440 Mergers and Acquisitions**

**FNCE 3456 Entertainment Finance**

**FNCE 3497 Internship**

**FNCE 4410 Entrepreneurial Finance**

**FNCE 4420 Real Estate Finance, Investment, and Entrepreneurship**

**FNCE 4430 Capital Markets**

**FNCE 4440 Financial Modeling and Analytics**

**FNCE 4480 International Finance**

**FNCE 4491 Student Investment Fund: Security Analysis**

**FNCE 4492 Student Investment Fund: Portfolio Management**

**FNCE 4493 Student Investment Fund: Investment Research Lab**

**FNCE 4498 Special Studies**

**FNCE 4499 Independent Studies**

## **Foreign Literature in English Translation (FNLT)**

**FNLT 1998 Special Studies**

**FNLT 1999 Independent Studies**

**FNLT 2500 World Literature**

**FNLT 2998 Special Studies**

**FNLT 2999 Independent Studies**

**FNLT 3251 Italian Food Cultures**

**FNLT 3500 Introduction to Modern Greek Literature**

**FNLT 3998 Special Studies**

**FNLT 3999 Independent Studies**

**FNLT 4200 Comparative Cultures**

**FNLT 4230 The Roman Baroque: Art, Architecture, and Culture**

**FNLT 4241 Paris Métisse: Multiculturalism in Paris**

**FNLT 4331 Paris through Film**

**FNLT 4998 Special Studies**

**FNLT 4999 Independent Studies**

## **French (FREN)**

**FREN 1998 Special Studies**

**FREN 1999 Independent Studies**

**FREN 2101 French 1**

**FREN 2102 French 2**

**FREN 2103 French 3**

**FREN 2104 French 4**

**FREN 2998 Special Studies**

**FREN 2999 Independent Studies**

**FREN 3240 History of Ideas**

**FREN 3450 Stylistics and Translation**

**FREN 3850 Writing Workshop in French**

**FREN 3998 Special Studies**

**FREN 3999 Independent Studies**

**FREN 4231 Identity Crisis in Contemporary France**

**FREN 4232 Philosophy and Aesthetics of Labor in France**

**FREN 4233 Culture of Laughter**

**FREN 4241 Paris Métisse: Multiculturalism in Paris**

**FREN 4250 Workshop in Professional French**

**FREN 4330 Fictions of Culture, Film, and Other Media**

**FREN 4331 Paris through Film**

**FREN 4332 Francophone Film**

**FREN 4530 Women in French**

**FREN 4531 Science Fiction and Fantasy Scenarios**

**FREN 4532 Francophone Literature**

**FREN 4551 Theater Workshop in French**

**FREN 4990 Senior Capstone Project**

**FREN 4998 Special Studies**

**FREN 4999 Independent Studies**

## **Film and Television Arts (FTVA)**

**FTVA 198 Special Studies**

**FTVA 199 Independent Studies**

**FTVA 298 Special Studies**

**FTVA 299 Independent Studies**

**FTVA 398 Special Studies**

**FTVA 399 Independent Studies**

**FTVA 490 Entertainment Internship**

**FTVA 491 Entertainment Career Internship**

**FTVA 498 Special Studies**

**FTVA 499 Independent Studies**

**FTVA 555 Incubator Lab**

**FTVA 590 Entertainment Internship**

**FTVA 598 Special Studies**

**FTVA 599 Independent Studies**

**FTVA 688 Intern Practicum**

**FTVA 698 Special Studies**

**FTVA 699 Independent Studies**

## **Film and Television Studies (FTVS)**

**FTVS 511 Television History**

**FTVS 512 Seminar in Television Genres**

**FTVS 513 Seminar in American Film**

**FTVS 514 Seminar in International Film**

**FTVS 515 Seminar on the Documentary**

**FTVS 517 Seminar in TV Programming**

**FTVS 518 Analysis of Video Games**

**FTVS 598 Special Studies**

**FTVS 599 Independent Studies**

**FTVS 610 Film/TV Topical Seminar**

**FTVS 611 Seminar in Film Genre**

**FTVS 612 Seminar in Film Authors**

**FTVS 613 Seminar in National Film**

**FTVS 614 Seminar in Television and Video**

**FTVS 698 Special Studies**

**FTVS 699 Independent Studies**

**FTVS 1010 Art of Cinema**

**FTVS 1020 Art of Screen Media**

**FTVS 1898 Special Studies**

**FTVS 2100 World Cinema 1 (1895-1955)**

**FTVS 2117 World Cinema 2 (1955-1990)**

**FTVS 2120 TV Studies**

**FTVS 2127 Global TV Studies**

**FTVS 2130 Documentary Film/Media**

**FTVS 2137 Global Documentary Film/Media**

**FTVS 2898 Special Studies**

**FTVS 3200 Motion Picture Colloquium**

**FTVS 3210 Visual and Textual Analysis**

**FTVS 3220 Analysis of Video Games**

**FTVS 3230 Technology/Aesthetics**

**FTVS 3300 Women in Film**

**FTVS 3310 Film/Media and Social Justice**

**FTVS 3320 Introduction to Film/Media Theory**

**FTVS 3700 Special Topics**

**FTVS 3707 Global Special Topics**

**FTVS 3800 Restricted Special Studies**

**FTVS 3898 Special Studies**

**FTVS 3999 Independent Studies**

**FTVS 4410 American Cinema**

**FTVS 4420 European Cinema**

**FTVS 4437 Asian Cinema**

**FTVS 4447 African/Middle Eastern Cinema**

**FTVS 4457 Latin American Cinema**

**FTVS 4467 South Asian Cinema**

**FTVS 4500 Film Authors**

**FTVS 4507 Global Film Authors**

**FTVS 4510 TV Authors**

**FTVS 4517 Global TV Authors**

**FTVS 4600 Film Genre**

**FTVS 4607 Global Film Genre**

**FTVS 4610 TV Genre**

**FTVS 4617 Global TV Genre**

**FTVS 4700 Special Topics Theory/History**

**FTVS 4707 Global Topics Theory/History**

**FTVS 4898 Special Studies**

**FTVS 4999 Independent Studies**

## **Geography (GEOG)**

**GEOG 1000 Human Geography**

**GEOG 1998 Special Studies**

**GEOG 1999 Independent Studies**

**GEOG 2000 World Geography**

**GEOG 2998 Special Studies**

**GEOG 2999 Independent Studies**

**GEOG 3010 Metropolitan Los Angeles**

**GEOG 3060 Modern Mexico**

**GEOG 3998 Special Studies**

**GEOG 3999 Independent Studies**

**GEOG 4998 Special Studies**

**GEOG 4999 Independent Studies**

## **German (GRMN)**

**GRMN 1998 Special Studies**

**GRMN 1999 Independent Studies**

**GRMN 2101 German 1**

**GRMN 2102 German 2**

**GRMN 2103 German 3**

**GRMN 2104 German 4**

**GRMN 2603 Conversational German 3**

**GRMN 2998 Special Studies**

**GRMN 2999 Independent Studies**

**GRMN 3105 Mastery of German**

**GRMN 3230 German Culture and Civilization**

**GRMN 3231 The Germans: Great Moments Past and Present**

**GRMN 3340 German Cinema**

**GRMN 3520 Survey of German Literature: From Beginning to Present**

**GRMN 3521 War and Peace in German Literature and Film**

**GRMN 3716 Business German**

**GRMN 3998 Special Studies**

**GRMN 3999 Independent Studies**

**GRMN 4551 German Drama**

**GRMN 4552 German Folklore**

**GRMN 4553 The German Novella**

**GRMN 4998 Special Studies**

**GRMN 4999 Independent Studies**

## **Health and Society (HEAS)**

**HEAS 2000 Introduction to Health and Society**

**HEAS 3998 Special Studies**

**HEAS 4998 Special Studies**

## **Health and Human Sciences (HHSC)**

**HHSC 150 Human Anatomy and Physiology**

**HHSC 155 Human Anatomy and Physiology I**

**HHSC 156 Human Anatomy and Physiology I Lab**

**HHSC 160 Principles of Athletic Training**

**HHSC 170 Personal Health**

**HHSC 190 Medical Terminology and Seminar**

**HHSC 230 Nutrition**

**HHSC 255 Human Anatomy and Physiology II**

**HHSC 256 Human Anatomy and Physiology II Lab**

**HHSC 278 Science, Nutrition, and Health**

**HHSC 298 Special Studies**

**HHSC 299 Independent Studies**

**HHSC 310 Test and Measurements**

**HHSC 311 Test and Measurement Lab**

**HHSC 312 Healthcare Administration**

**HHSC 320 Obesity and Behavior**

**HHSC 321 Obesity and Behavior Lab**

**HHSC 322 Public Health**

**HHSC 330 Medical Nutrition Therapy**

**HHSC 331 Medical Nutrition Therapy Laboratory**

**HHSC 334 Sports Medicine Teaching Workshop**

**HHSC 335 Global Nutrition**

**HHSC 336 Nutrition Service Learning Lab**

**HHSC 342 Peer Health Education**

**HHSC 344 Global and Community Health**

**HHSC 350 Exercise for Special Populations**

**HHSC 360 Upper Extremity Evaluation**

**HHSC 361 Lower Extremity Evaluation**

**HHSC 375 Science Principles of Strength and Conditioning**

**HHSC 376 Strength Physiology Assessment Laboratory**

**HHSC 380 Kinesiology**

**HHSC 381 Kinesiology Lab**

**HHSC 385 Motor Development**

**HHSC 398 Special Studies**

**HHSC 399 Independent Studies**

**HHSC 404 Drugs, Addiction, and Health**

**HHSC 410 Health Services for Marginalized Populations**

**HHSC 412 Administration in Sports Medicine**

**HHSC 413 Medical Bioethics**

**HHSC 420 Chronic Disease and Injury Epidemiology**

**HHSC 421 Chronic Disease and Injury Epidemiology Lab**

**HHSC 430 Advanced Nutrition**

**HHSC 434 Pathology**

**HHSC 440 Medical Microbiology**

**HHSC 441 Medical Microbiology Laboratory**

**HHSC 460 Therapeutic Modalities in Sports Medicine**

**HHSC 461 Therapeutic Rehabilitation in Sports Medicine**

**HHSC 466 Therapeutic Modalities in Sports Medicine Lab**

**HHSC 475 Exercise Physiology**

**HHSC 476 Exercise Physiology Lab**

**HHSC 477 EKG Interpretation**

**HHSC 480 Biomechanics**

**HHSC 481 Biomechanics Laboratory**

**HHSC 485 Motor Learning**

**HHSC 490 Health and Human Sciences Teaching**

**HHSC 495 Allied Health Internship**

**HHSC 497 Allied Health Internship II**

**HHSC 498 Special Studies**

**HHSC 499 Independent Studies**

## **History (HIST)**

**HIST 1010 Premodern World History**

**HIST 1050 Modern World History**

**HIST 1060 Modern Global Environmental History**

**HIST 1110 Founders of the West**

**HIST 1120 Heirs of Rome: Europe, Byzantium, and Islam in the Early Middle Ages**

**HIST 1130 Crisis and Expansion: Europe and the World, 1200-1648**

**HIST 1200 European Empires, Exploration, and Exchange since 1500**

**HIST 1201 Power, Privilege, and Agency in Modern Europe**

**HIST 1202 The Individual, the State, and Civil Society in Modern Europe**

**HIST 1203 Religion, Society, and the Search for Meaning in Modern Europe**

**HIST 1204 Revolutions in the Making of Modern Europe**

**HIST 1300 Becoming America**

**HIST 1301 America and the Atlantic World 1450-1850**

**HIST 1400 The United States and the World**

**HIST 1401 The United States and the Pacific World**

**HIST 1500 State, Society, and the Citizen in the Modern Middle East**

**HIST 1510 Minorities and Women in the Modern Middle East**

**HIST 1520 The Social Lives of Commodities in the Modern Middle East**

**HIST 1600 African States and Societies since 1800**

**HIST 1700 Early Latin America**

**HIST 1750 Modern Latin America**

**HIST 1800 Modern Asia: China, Japan, and Korea since 1600**

**HIST 1850 East Asia: Origins to 1600**

**HIST 1900 Science, Nature, and Society in the West**

**HIST 1995 Introduction to History**

**HIST 1998 Special Studies**

**HIST 1999 Independent Studies**

**HIST 2000 What Is History?**

**HIST 2050 Seminar in World History**

**HIST 2200 Seminar in European History**

**HIST 2300 Red, White, and Black: Race in Colonial America**

**HIST 2400 Picturing Race and Gender**

**HIST 2405 Civil Rights Activism: 1880-Present**

**HIST 2410 Race and Ethnicity in America**

**HIST 2420 American Indian History**

**HIST 2450 Seminar in American History**

**HIST 2500 Seminar in Middle Eastern History**

**HIST 2600 Seminar in African History**

**HIST 2700 Seminar in Latin American History**

**HIST 2800 Seminar in Asian History**

**HIST 2900 Internship**

**HIST 2910 Telling History in Public**

**HIST 2995 History Learning Community**

**HIST 2998 Special Studies**

**HIST 2999 Independent Studies**

**HIST 3050 The First World War**

**HIST 3124 Pagans and Saints: Christian Missionaries to 1650**

**HIST 3200 European Reformations**

**HIST 3252 Crime Stories: Morality, Deviance, and Popular Culture in Modern Britain**

**HIST 3272 Culture and Politics of Weimar Germany**

**HIST 3275 The Balkans: History, Culture, Politics**

**HIST 3282 History of Russian Foreign Policy**

**HIST 3430 Religion and U.S. Political History**

**HIST 3452 US Environmental History**

**HIST 3600 Conflict and Genocide in Africa**

**HIST 3702 Women, Gender, and Sexuality in Latin America**

**HIST 3704 Latin American Revolutions in Film**

**HIST 3706 Justice in Latin America**

**HIST 3708 Race in Latin America**

**HIST 3810 The Chinese Economy**

**HIST 3820 Environment and Economy in China**

**HIST 3910 Museums and Society**

**HIST 3998 Special Studies**

**HIST 3999 Independent Studies**

**HIST 4010 Pirates and Piracy**

**HIST 4020 Mediterranean Cities**

**HIST 4050 Global History of Food**

**HIST 4101 Ancient Greece**

**HIST 4102 Alexander and the Hellenistic World**

**HIST 4105 Ancient Rome**

**HIST 4106 Imperial Rome**

**HIST 4122 The Rise of Medieval Europe**

**HIST 4126 Medieval Spain: Land of Three Faiths**

**HIST 4132 The Viking World**

**HIST 4134 The Crusades**

**HIST 4142 The Transformation of Medieval Europe**

**HIST 4150 Law and Society in Medieval Europe**

**HIST 4200 Early Modern Europe**

**HIST 4205 Europe in the Long Nineteenth Century**

**HIST 4206 20th-Century Europe**

**HIST 4215 European Imperialism**

**HIST 4225 Gender in European History**

**HIST 4230 The City in European History**

**HIST 4250 Modern Britain and the British Empire**

**HIST 4255 Modern Ireland**

**HIST 4260 The French Revolution**

**HIST 4271 Modern Germany**

**HIST 4272 20th-Century Eastern Europe**

**HIST 4273 Nazi Germany**

**HIST 4280 The Rise of Russia, 900-1825**

**HIST 4281 Modern Russia, 1825-1991**

**HIST 4282 Ethnicity and Empire in Russia**

**HIST 4300 Colonial America**

**HIST 4301 Revolutionary America**

**HIST 4302 Jacksonian America**

**HIST 4303 The Civil War**

**HIST 4304 Nineteenth-Century America**

**HIST 4305 Victorian America**

**HIST 4400 Rise of Modern America**

**HIST 4401 Recent America**

**HIST 4402 Politics and Culture of the Cold War, 1917-1989**

**HIST 4403 Consensus and Conflict: America in the 1950s and 1960s**

**HIST 4410 History of Los Angeles**

**HIST 4411 The American West**

**HIST 4412 History of California**

**HIST 4423 Asians in America: From the "Yellow Peril" to the "Model Minority"**

**HIST 4425 Chicana/o History**

**HIST 4427 Immigrant America**

**HIST 4430 Women in American History**

**HIST 4431 History of Childhood and the Family**

**HIST 4432 American Reform Movements**

**HIST 4433 Health and Disease in American Culture**

**HIST 4440 Imagining Asian Pacific America**

**HIST 4441 Hollywood and History**

**HIST 4450 Urban America**

**HIST 4453 The Invention of Communities**

**HIST 4510 Star, Cross, and Crescent**

**HIST 4520 The Ottoman Empire**

**HIST 4540 The Palestine/Israel Conflict**

**HIST 4600 African Kingdoms**

**HIST 4610 A Quest for the Nile's Source**

**HIST 4620 South Africa**

**HIST 4640 Colonial Africa, 1860-1980**

**HIST 4700 Early Mexico**

**HIST 4705 The Inquisition: The Holy Office in Europe, Asia, and America**

**HIST 4820 Modern China**

**HIST 4830 Women in East Asian History**

**HIST 4900 Internship**

**HIST 4910 Topics in Public History**

**HIST 4998 Special Studies**

**HIST 4999 Independent Studies**

**HIST 5000 Seminar in World History**

**HIST 5100 Seminar in Ancient History**

**HIST 5110 Seminar in Medieval History**

**HIST 5115 Seminar in Early-Modern European History**

**HIST 5200 Seminar in Modern European History**

**HIST 5400 Seminar in American History**

**HIST 5500 Seminar in Middle Eastern History**

**HIST 5600 Seminar in African History**

**HIST 5700 Seminar in Latin American History**

**HIST 5800 Seminar in Asian History**

**HIST 5900 Senior Thesis**

**HIST 5995 Capsone ePortfolio**

## **History (HISZ)**

**HISZ 9000 Chicana/o History**

## **Humanities (HMNT)**

**HMNT 1998 Special Studies**

**HMNT 1999 Independent Studies**

**HMNT 2998 Special Studies**

**HMNT 2999 Independent Studies**

**HMNT 3251 Italian Food Cultures**

**HMNT 3370 Cinema in Rome: Rome in Cinema**

**HMNT 3998 Special Studies**

**HMNT 3999 Independent Studies**

**HMNT 4230 The Roman Baroque: Art, Architecture, and Culture**

**HMNT 4993 Literature, Photography, and the Uncanny**

**HMNT 4997 Capstone Project**

**HMNT 4998 Special Studies**

**HMNT 4999 Independent Studies**

## **Honors (HNRS)**

**HNRS 1000 Honors Colloquium: Introduction to Honors**

**HNRS 1100 Honors Philosophical Inquiry**

**HNRS 1110 On Human Dignity**

**HNRS 1200 Honors Theological Inquiry**

**HNRS 1810 On the Sublime**

**HNRS 1998 Special Studies**

**HNRS 1999 Independent Studies**

**HNRS 2000 Honors Colloquium: Research and Exhibition**

**HNRS 2100 Honors Historical Analysis and Perspectives**

**HNRS 2110 Republic to Prince**

**HNRS 2120 Age of Leviathan**

**HNRS 2200 Honors Nature of Science, Technology, and Mathematics**

**HNRS 2210 On Motion and Mechanics**

**HNRS 2220 On the Nature of Things**

**HNRS 2300 Honors Literary Analysis**

**HNRS 2998 Special Studies**

**HNRS 2999 Independent Studies**

**HNRS 3000 Honors Colloquium: Post-Baccalaureate Success**

**HNRS 3100 Honors Ethics and Justice**

**HNRS 3110 Beyond Good and Evil**

**HNRS 3998 Special Studies**

**HNRS 3999 Independent Studies**

**HNRS 4000 Honors Colloquium: Portfolio**

**HNRS 4100 Honors Thesis**

**HNRS 4998 Special Studies**

**HNRS 4999 Independent Studies**

## **Healthcare Systems Engineering (HSEG)**

**HSEG 505 Systems Engineering for Healthcare**

**HSEG 515 Healthcare Delivery Systems**

**HSEG 535 Lean Healthcare**

**HSEG 545 Healthcare Seminar**

**HSEG 598 Special Studies**

**HSEG 599 Independent Studies**

**HSEG 625 Patient Safety and Quality Systems**

**HSEG 635 Advanced Lean Management of Healthcare**

**HSEG 655 Medical Devices and Integrated Systems**

**HSEG 665 Population Health and Big Data Analytics**

**HSEG 675 Healthcare Enterprise Informatics and Electronic Health Records**

**HSEG 695 Preparation for Capstone Project**

**HSEG 696 Project in Healthcare**

**HSEG 698 Special Studies**

**HSEG 699 Independent Studies**

**CBA Internships (ICBA)**

**ICBA 2100 CBA Internships**

**CFA Internships (ICFA)**

**ICFA 2100 CFA Internships**

**BCLA Internships (ICLA)**

**ICLA 2100 BCLA Internships in Liberal Arts Professions**

**FRSCSE Internships (ICSE)**

**ICSE 2100 FRSCSE Internships**

**Interdisciplinary Applied Programs (IDAP)**

**IDAP 198 Special Studies**

**IDAP 199 Independent Studies**

**IDAP 298 Special Studies**

**IDAP 299 Independent Studies**

**IDAP 300 Principles of Public Relations**

**IDAP 301 Advanced Media Production**

**IDAP 310 Writing for Public Relations**

**IDAP 325 Public Relations Practicum: PRSSA**

**IDAP 340 Video Production for Public Relations**

**IDAP 370 Public Relations Strategies**

**IDAP 380 Public Relations Internship**

**IDAP 398 Special Studies**

**IDAP 399 Independent Studies**

**IDAP 400 Introduction to Social Media**

**IDAP 401 Seminar in Media Projects**

**IDAP 420 Events Management**

**IDAP 498 Special Studies**

**IDAP 499 Independent Studies**

**SFTV Internships (IFTV)**

**IFTV 2100 SFTV Internships**

**International Business Studies (INBA)**

**INBA 2880 Exploring Asian Culture**

**INBA 2898 Special Studies**

**INBA 3851 Building Global Career Competence**

**INBA 4830 International Management**

**INBA 4840 International Entrepreneurship**

**INBA 4855 Cross-Cultural Leadership**

**INBA 4872 Managing a Global Workforce**

**INBA 4876 Marketing Strategy in the Global Environment**

**INBA 4880 International Finance**

**INBA 4895 Global Sustainability: Challenges and Prospects in East Asia**

**INBA 4898 Special Studies**

**INBA 4899 Independent Studies**

## **Irish Studies (IRST)**

**IRST 1998 Special Studies**

**IRST 1999 Independent Studies**

**IRST 2998 Special Studies**

**IRST 2999 Independent Studies**

**IRST 3300 Modern Irish Literature**

**IRST 3302 (Un)/Civil (W)rites: Contemporary African American, Northern Irish, and Native American Literature**

**IRST 3303 Contemporary Irish Literature**

**IRST 3304 The Irish Renaissance**

**IRST 3305 Irish Short Story**

**IRST 3309 Ireland in Fiction and Film**

**IRST 3310 Modern Ireland**

**IRST 3312 Modern Britain and the British Empire**

**IRST 3330 Irish Drama**

**IRST 3350 World Dance: Ireland**

**IRST 3998 Special Studies**

**IRST 3999 Independent Studies**

**IRST 4435 Irish Cinema**

**IRST 4448 Irish Women Writers**

**IRST 4449 The Dark Stuff: Horror in Irish Literature**

**IRST 4998 Special Studies**

**IRST 4999 Independent Studies**

## **Information Systems and Business Analytics (ISBA)**

**ISBA 3710 Database Management Systems**

**ISBA 3720 Systems Analysis and Design**

**ISBA 3730 Programming for Business Applications**

**ISBA 3797 Internship**

**ISBA 4715 Developing Business Applications Using SQL**

**ISBA 4740 Financial Modeling and Analytics**

**ISBA 4750 Business Web and App Development**

**ISBA 4755 Introduction to Big Data**

**ISBA 4790 Machine Learning**

**ISBA 4796 Capstone Proposal Development**

**ISBA 4797 Capstone Project**

**ISBA 4798 Special Studies**

**ISBA 4799 Independent Studies**

**SOE Internships (ISOE)**

**ISOE 2100 SOE Internships**

**Italian (ITAL)**

**ITAL 1998 Special Studies**

**ITAL 1999 Independent Studies**

**ITAL 2101 Italian 1**

**ITAL 2102 Italian 2**

**ITAL 2103 Italian 3**

**ITAL 2104 Italian 4**

**ITAL 2602 Conversational Italian 2**

**ITAL 2603 Conversational Italian 3**

**ITAL 2998 Special Studies**

**ITAL 2999 Independent Studies**

**ITAL 3250 Contemporary Italian Culture**

**ITAL 3251 Italian Food Cultures**

**ITAL 3370 Cinema in Rome: Rome in Cinema**

**ITAL 3533 The Italian Novella**

**ITAL 3534 Italian Literature of the 20th and 21st Century**

**ITAL 3580 Italian Women Writers**

**ITAL 3821 Stylistics and Composition**

**ITAL 3998 Special Studies**

**ITAL 3999 Independent Studies**

**ITAL 4230 The Roman Baroque: Art, Architecture, and Culture**

**ITAL 4351 Italian Cinema**

**ITAL 4998 Special Studies**

**ITAL 4999 Independent Studies**

## **Japanese (JAPN)**

**JAPN 1998 Special Studies**

**JAPN 1999 Independent Studies**

**JAPN 2101 Japanese 1**

**JAPN 2102 Japanese 2**

**JAPN 2103 Japanese 3**

**JAPN 2104 Japanese 4**

**JAPN 2998 Special Studies**

**JAPN 2999 Independent Studies**

**JAPN 3105 Japanese 5**

**JAPN 3106 Japanese 6**

**JAPN 3107 Mastery of Japanese**

**JAPN 3250 Contemporary Popular Japanese Culture**

**JAPN 3998 Special Studies**

**JAPN 3999 Independent Studies**

**JAPN 4998 Special Studies**

**JAPN 4999 Independent Studies**

## **Journalism (JOUR)**

**JOUR 1999 Independent Studies**

**JOUR 2100 Language of Journalism**

**JOUR 2210 Writing for Journalism: Workshop**

**JOUR 2999 Independent Studies**

**JOUR 3100 Shooting and Editing Photos for Journalism**

**JOUR 3101 Shooting and Editing Video for Journalism**

**JOUR 3102 Recording and Editing Audio for Journalism**

**JOUR 3104 Computing for Journalism**

**JOUR 3105 Designing for Journalism**

**JOUR 3300 Critical and Ethical Issues in Journalism**

**JOUR 3303 Reviewing the Arts**

**JOUR 3310 The Human Condition: A Long-form Journalism Practicum**

**JOUR 3381 Journalism and New Media**

**JOUR 3998 Special Studies**

**JOUR 3999 Independent Studies**

**JOUR 4400 Photojournalism**

**JOUR 4401 Telling Stories with Sound**

**JOUR 4402 Writing Internship in Media**

**JOUR 4403 Writing Workshop in Non-Fiction**

**JOUR 4405 Literary Non-Fiction: Workshop**

**JOUR 4406 Journalism: Interview: Workshop**

**JOUR 4407 Investigative Reporting**

**JOUR 4408 Journalism: Editing Workshop**

**JOUR 4409 The Reporter in the Story**

**JOUR 4460 From Hard News to Blogs: Post-1800 Journalism**

**JOUR 4463 The Art of the Essay**

**JOUR 4464 Publishing a Journal**

**JOUR 4465 Culture Journalism**

**JOUR 4467 Journalism and Law**

**JOUR 4468 Journalism: Capstone**

**JOUR 4469 Practicum in Journalism 1**

**JOUR 4470 Practicum in Journalism 2**

**JOUR 4471 Sports Journalism**

**JOUR 4472 Video Journalism**

**JOUR 4473 Mobile Media Magazine**

**JOUR 4998 Special Studies**

**JOUR 4999 Independent Studies**

**JOUR 5501 Journalism: Telling LA's Story**

**JOUR 5511 Political Journalism**

**JOUR 5567 Style in Writing**

**JOUR 5574 Rhetoric and the Media**

**JOUR 5590 Journalism: Feminist Critique**

**JOUR 5591 Literary Journalism**

**JOUR 5592 Pazz and Jop: Writing Music Criticism**

**Jewish Studies (JWST)**

**JWST 1000 Introduction to the Hebrew Bible**

**JWST 1998 Special Studies**

**JWST 1999 Independent Studies**

**JWST 2998 Special Studies**

**JWST 2999 Independent Studies**

**JWST 3000 Modern Jewish History**

**JWST 3349 Longing and Belonging: The Literatures of Israel**

**JWST 3500 Politics of Modern Israel**

**JWST 3510 Ideas of Zionism**

**JWST 3636 Trends of Jewish Thought**

**JWST 3750 Judaism: Religion, History, and Culture (Ancient through Modern)**

**JWST 3998 Special Studies**

**JWST 3999 Independent Studies**

**JWST 4160 Jewish Image in Film and Television**

**JWST 4260 Literature and Faith in the Holy Land**

**JWST 4320 The Holocaust in American Film and Literature**

**JWST 4340 Literature of the Holocaust**

**JWST 4350 The History and Psychology of the Holocaust and Genocide: Perspectives on Power**

**JWST 4360 Poland and the Holocaust**

**JWST 4370 Nazi Germany and Questions of Conscience**

**JWST 4375 History of Antisemitism**

**JWST 4400 Interreligious Experience and Engagement**

**JWST 4900 Capstone Project**

**JWST 4998 Special Studies**

**JWST 4999 Independent Studies**

**JWST 5998 Special Studies**

**JWST 5999 Independent Studies**

## **Liberal Studies (LBST)**

**LBST 1998 Special Studies**

**LBST 1999 Independent Studies**

**LBST 2998 Special Studies**

**LBST 2999 Independent Studies**

**LBST 3998 Special Studies**

**LBST 3999 Independent Studies**

**LBST 4900 Education and Global Issues**

**LBST 4998 Special Studies**

**LBST 4999 Independent Studies**

## **Liberal Arts (LIBA)**

**LIBA 1001 Strategies for Graduate/Professional School Admission I**

**LIBA 1002 Strategies for Graduate/Professional School Admission II**

**LIBA 1003 Strategies for Graduate and Professional School Admission III**

**LIBA 1011 Academic Skills for Psychology I**

**LIBA 1012 Academic Skills for Psychology II**

**LIBA 1044 Academic Skills for Student Athletes**

**LIBA 1070 Orientation to Learning I**

**LIBA 1071 Orientation to Learning II**

**LIBA 1081 Exploring Wellness I**

**LIBA 1082 Exploring Wellness II**

**LIBA 1998 Special Studies**

**LIBA 1999 Independent Studies**

**LIBA 2050 Strategy of Career Development**

**LIBA 2051 Career Development Internship**

**LIBA 2091 Intercultural Practicum I**

**LIBA 2092 Intercultural Practicum II**

**LIBA 2998 Special Studies**

**LIBA 2999 Independent Studies**

**LIBA 3000 Internship**

**LIBA 3001 SURP Seminar**

**LIBA 3051 Career Development Internship**

**LIBA 3998 Special Studies**

**LIBA 3999 Independent Studies**

**LIBA 4095 Seminar in College Teaching**

**LIBA 4998 Special Studies**

**LIBA 4999 Independent Studies**

**Mathematics (MATH)**

**MATH 101 Algebra**

**MATH 102 Quantitative Skills for the Modern World**

**MATH 103 Quantitative Skills for the Modern World Lab**

**MATH 104 Elementary Statistics**

**MATH 106 Mathematics for Elementary Teachers I**

**MATH 112 Calculus for Business**

**MATH 120 Precalculus Mathematics**

**MATH 122 Calculus for the Life Sciences I**

**MATH 123 Calculus for the Life Sciences II**

**MATH 131 Calculus I**

**MATH 132 Calculus II**

**MATH 190 Workshop in Mathematics I**

**MATH 191 Workshop in Mathematics II**

**MATH 198 Special Studies**

**MATH 199 Independent Studies**

**MATH 204 Applied Statistics**

**MATH 207 Mathematics for Elementary Teachers II**

**MATH 234 Calculus III**

**MATH 245 Ordinary Differential Equations**

**MATH 248 Introduction to Methods of Proof**

**MATH 250 Linear Algebra**

**MATH 261 Mathematics: Contributions by Women**

**MATH 264 Cryptography through the Ages**

**MATH 282 Elementary Computational Methods**

**MATH 293 Mathematics Teaching Field Experience**

**MATH 298 Special Studies**

**MATH 299 Independent Studies**

**MATH 321 Real Variables I**

**MATH 322 Real Variables II**

**MATH 331 Elements of Group Theory**

**MATH 332 Elements of the Theory of Rings and Fields**

**MATH 350 Advanced Linear Algebra**

**MATH 355 Methods of Applied Mathematics**

**MATH 357 Complex Variables**

**MATH 360 Introduction to Probability and Statistics**

**MATH 366 Discrete Methods**

**MATH 388 Survey of Biomathematics**

**MATH 393 Mathematics Internship**

**MATH 397 Putnam Competition Preparation**

**MATH 398 Special Studies**

**MATH 399 Independent Studies**

**MATH 471 Topology**

**MATH 473 Differential Geometry**

**MATH 490 History of Mathematics**

**MATH 491 Senior Mathematics Seminar**

**MATH 493 Senior Seminar for Future Mathematics Educators**

**MATH 495 Mathematical Modeling**

**MATH 497 Senior Thesis**

**MATH 498 Special Studies**

**MATH 499 Independent Studies**

**MATH 550 Fundamental Concepts of Geometry**

**MATH 560 Advanced Topics in Probability and/or Statistics**

**MATH 561 Computational Methods in Linear Algebra**

**MATH 562 Numerical Analysis**

**MATH 590 History of Mathematics for Secondary Teachers**

**MATH 593 Seminar for Mathematics Educators**

**MATH 598 Special Studies**

**MATH 599 Independent Studies**

## **MBA Core (MBAA)**

**MBAA 603 Business Statistics**

**MBAA 6010 Managing People and Organizations**

**MBAA 6020 Financial and Managerial Accounting**

**MBAA 6030 Global Economic Structures and Systems**

**MBAA 6040 Managing Markets and Customer Relationships**

**MBAA 6050 Managing Operations**

**MBAA 6060 Strategic Management**

**MBAA 6070 Managing Financial Resources**

**MBAA 6080 Data, Models, and Decisions**

**MBAA 6090 Managing Information Systems**

**MBAA 6100 Managing International Business**

## **Marketing Management (MBAC)**

**MBAC 613 Consumer Behavior**

**MBAC 614 Marketing Research**

**MBAC 616 Customer Relationship Management Analytics**

**MBAC 620 Global Marketing Strategy**

**MBAC 621 Pricing Strategy**

**MBAC 635 Information Technology Security**

**MBAC 647 International Marketing**

**MBAC 660 Marketing Strategy**

**MBAC 662 Product and Brand Management**

**MBAC 663 Business-to-Business Marketing**

**MBAC 664 Advertising and Promotional Strategy**

**MBAC 680 Building an eCommerce Business in a Semester**

**MBAC 698 Special Studies**

**MBAC 699 Independent Studies**

## **Information and Decision Sciences (MBAD)**

**MBAD 619 Risk Analysis and Financial Modeling**

**MBAD 635 Information Technology Security**

**MBAD 680 Building an eCommerce Business in a Semester**

**MBAD 698 Special Studies**

**MBAD 699 Independent Studies**

## **Human Resources Management (MBAE)**

**MBAE 601 The Legal and Ethical Environment of Business**

**MBAE 613 Performance Management**

**MBAE 630 Strategic Human Resource Management**

**MBAE 636 Managing Organizational Change and Development**

**MBAE 637 International Management of Human Resources**

**MBAE 650 Environmental Strategy**

**MBAE 651 Ethical Issues in Business**

**MBAE 685 Power, Politics, and Negotiation in Organizations**

**MBAE 698 Special Studies**

**MBAE 699 Independent Studies**

### **Financial Decision Systems (MBAF)**

**MBAF 610 Financial Statements Analysis and Valuations**

**MBAF 611 Financial Markets**

**MBAF 614 Accounting and Finance Concepts for Strategic Planning**

**MBAF 619 Risk Analysis and Financial Modeling**

**MBAF 620 Entrepreneurial Finance**

**MBAF 623 Investments**

**MBAF 624 Mergers and Acquisitions**

**MBAF 625 Real Estate Investments and Entrepreneurship**

**MBAF 628 The CFO Perspective**

**MBAF 648 International Finance**

**MBAF 698 Special Studies**

**MBAF 699 Independent Studies**

## **International Business Systems (MBAG)**

**MBAG 620 Global Marketing Strategy**

**MBAG 637 International Management of Human Resources**

**MBAG 640 Global Strategy**

**MBAG 641 International Management**

**MBAG 646 International Entrepreneurship**

**MBAG 647 International Marketing**

**MBAG 648 International Finance**

**MBAG 698 Special Studies**

**MBAG 699 Independent Studies**

## **Entrepreneurial Organizations (MBAH)**

**MBAH 611 New Venture Creation**

**MBAH 613 Performance Management**

**MBAH 616 Creativity and Innovation Management**

**MBAH 617 Entrepreneurship and Law**

**MBAH 618 Entrepreneurial Marketing**

**MBAH 619 Business Incubation**

**MBAH 620 Entrepreneurial Finance**

**MBAH 624 Mergers and Acquisitions**

**MBAH 625 Real Estate Investments and Entrepreneurships**

**MBAH 646 International Entrepreneurship**

**MBAH 650 Social Entrepreneurship**

**MBAH 673 New Product Design and Development**

**MBAH 680 Building an eCommerce Business in a Semester**

**MBAH 698 Special Studies**

**MBAH 699 Independent Studies**

### **Integrative Experience (MBAI)**

**MBAI 611 Seminar in Business and Capitalism**

**MBAI 688 CMS Preparation--Fall**

**MBAI 689 CMS Preparation--Spring**

**MBAI 690 International Regional Strategies: Cultural and Industrial**

**MBAI 691 Comparative Management Systems (CMS)**

**MBAI 692 Integrative Project**

**MBAI 697 Internship Experience**

**MBAI 698 Special Studies**

**MBAI 699 Independent Studies**

### **Executive MBA Program (MBAP)**

**MBAP 6110 Financial Accounting**

**MBAP 6120 Managerial Accounting**

**MBAP 6210 Fundamentals of Finance**

**MBAP 6220 Corporate Finance and Capital Markets**

**MBAP 6230 Financing Expansion and Resolving Growth Issues**

**MBAP 6310 Business Insights**

**MBAP 6320 Big Data, Analytics, and Organizational Decision-Making**

**MBAP 6330 Applied Business Economics**

**MBAP 6340 Applied Macro Economics**

**MBAP 6410 Marketing Management**

**MBAP 6420 Strategic Marketing**

**MBAP 6510 Executive Communications I**

**MBAP 6520 Executive Communications II**

**MBAP 6530 Negotiations**

**MBAP 6610 Human Capital Management**

**MBAP 6650 Management and the Technological Future**

**MBAP 6670 Strategic Management**

**MBAP 6710 Strategic Opportunity Assessment**

**MBAP 6720 Strategic Opportunity Implementation**

**MBAP 6730 International Negotiations**

**MBAP 6750 Business in the International Environment I**

**MBAP 6760 Business in the International Environment II**

**MBAP 6810 Introduction to Executive Leadership**

**MBAP 6820 Leadership Foundations**

**MBAP 6830 Executive Leadership**

**MBAP 6840 Professional Development**

**MBAP 6850 Ethics and Spirituality in the Workplace**

**MBAP 6880 Leadership Practicum**

**MBAP 6910 Managing Innovation**

**MBAP 6920 Field Study: Innovation in Practice**

**MBAP 6950 New Venture Start Up**

**MBAP 6970 Field Consulting Project**

**MBAP 6998 Special Studies**

**MBAP 6999 Independent Studies**

## **MBA Residential and Workshops (MBAW)**

**MBAW 6307 Management Leadership Workshop: Planning Your Future**

**MBAW 6400 MBA Orientation**

**MBAW 6402 The Elements of Becoming A Strategic Leader**

## **Modern Greek Studies (MDGK)**

**MDGK 1101 Elementary Modern Greek I**

**MDGK 1102 Elementary Modern Greek II**

**MDGK 1180 Growing Up American**

**MDGK 1998 Special Studies**

**MDGK 1999 Independent Studies**

**MDGK 2203 Intermediate Modern Greek I**

**MDGK 2204 Intermediate Modern Greek II**

**MDGK 2998 Special Studies**

**MDGK 2999 Independent Studies**

**MDGK 3321 Advanced Modern Greek**

**MDGK 3325 Advanced Modern Greek Conversation**

**MDGK 3341 Introduction to Modern Greek Literature (in Translation)**

**MDGK 3342 Ancient Landscapes: Modern Voices**

**MDGK 3343 Angels and Demons: Women and Literary Stereotypes**

**MDGK 3344 Cities of the Dead: English and Modern Greek Modernism**

**MDGK 3346 Women, Madness, and the Cultural Imagination**

**MDGK 3350 Greek Orthodox Tradition**

**MDGK 3352 Orthodox Christian Spirituality**

**MDGK 3354 Greek Cinema**

**MDGK 3998 Special Studies**

**MDGK 3999 Independent Studies**

**MDGK 4450 Greece and the Modern World**

**MDGK 4998 Special Studies**

**MDGK 4999 Independent Studies**

## **Modern Languages (MDLG)**

**MDLG 3400 Linguistics**

**MDLG 3998 Special Studies**

**MDLG 3999 Independent Studies**

**MDLG 4400 Applied Linguistics**

**MDLG 4990 Senior Capstone Project**

**MDLG 4998 Special Studies**

**MDLG 4999 Independent Studies**

## **Mechanical Engineering (MECH)**

**MECH 211 Computer Aided Design**

**MECH 212 Mechanics of Materials**

**MECH 213 Dynamics**

**MECH 214 Materials Science**

**MECH 223 Thermodynamics**

**MECH 260 Nanotechnology**

**MECH 261 Biotechnology**

**MECH 262 Information Technology**

**MECH 270 Materials**

**MECH 277 Systems of Energy Conversions**

**MECH 298 Special Studies**

**MECH 302 Thermal Science and Energy Lab**

**MECH 303 Solid Mechanics and Materials Laboratory**

**MECH 310 Machine Design**

**MECH 312 Vibrations**

**MECH 321 Energy Systems**

**MECH 322 Fluid Mechanics**

**MECH 323 Heat Transfer**

**MECH 398 Special Studies**

**MECH 399 Independent Studies**

**MECH 401 Design Capstone Project I**

**MECH 402 Design Capstone Project II**

**MECH 410 Design and Manufacturing Laboratory**

**MECH 412 Control Systems**

**MECH 493 Mechanical Engineering Internship**

**MECH 498 Special Studies**

**MECH 499 Independent Studies**

**MECH 510 Computer-Aided Manufacturing**

**MECH 511 Materials Selection in Design**

**MECH 514 Modern Methods in Materials Science**

**MECH 515 Composites**

**MECH 516 Finite Elements Methods**

**MECH 517 Fracture Mechanics**

**MECH 518 Design for Manufacturing**

**MECH 519 Advanced Vibrations**

**MECH 520 Computational Fluid Dynamics**

**MECH 524 Alternative Energy Systems**

**MECH 532 Robotics**

**MECH 537 Rapid Prototyping**

**MECH 542 Turbomachinery**

**MECH 544 Propulsion**

**MECH 545 Fundamentals of Biomedical Engineering**

**MECH 598 Special Studies**

**MECH 599 Independent Studies**

**MECH 604 Engineering Mathematics**

**MECH 610 Metallurgical and Materials Engineering**

**MECH 613 Advanced Mechanics of Materials**

**MECH 620 Nanotechnology Engineering Topics**

**MECH 623 Advanced Thermodynamics**

**MECH 625 Advanced Heat Transfer**

**MECH 631 Elasticity**

**MECH 634 Fatigue**

**MECH 635 Structural Dynamics**

**MECH 638 Random Vibrations**

**MECH 645 Introduction to Biomedical Engineering**

**MECH 653 New Product Design and Development**

**MECH 686 Master's Thesis**

**MECH 698 Special Studies**

**MECH 699 Independent Studies**

## **Marital and Family Therapy (MFTH)**

**MFTH 600 Art Therapy Literature and Assessment**

**MFTH 601 Art Therapy Explorations**

**MFTH 602 Fundamentals of Marriage/Family Systems**

**MFTH 604 Child Psychotherapy: Theory and Practice**

**MFTH 606 Adolescent Psychotherapy: Theory and Practice**

**MFTH 608 Theories of Marriage and Family Therapy**

**MFTH 609 Introduction to Mental Health Services**

**MFTH 610 Adult Psychotherapy**

**MFTH 611 Drug and Alcohol Treatment**

**MFTH 612 Marriage and Family Psychotherapy: Issues and Applications**

**MFTH 613 Assessment and Intervention of Intimate Partner Violence**

**MFTH 615 Group Psychotherapy: Theory and Practice**

**MFTH 616 Human Sexuality**

**MFTH 617 Practicum/Supervision I**

**MFTH 618 Practicum/Supervision II**

**MFTH 619 Practicum/Supervision III**

**MFTH 620 Multiculturalism and Art Therapy in Mexico - Part I**

**MFTH 621 Cultural Issues in Marital and Family Therapy**

**MFTH 622 Multiculturalism and Art Therapy in Mexico - Part II**

**MFTH 627 Practicum Applications: Additional Supervised Clinical Application of MFTH/Art Therapy**

**MFTH 629 Family Art Therapy in Mexico**

**MFTH 630 Marital and Family Therapy: Clinical Studies**

**MFTH 638 Psychopathology**

**MFTH 639 Psychopharmacology**

**MFTH 640 Psychological Tests**

**MFTH 641 Aging and Long-Term Care**

**MFTH 642 Trauma Theory and Treatment**

**MFTH 680 Marriage and Family Therapy Observation**

**MFTH 689 Introduction to Research**

**MFTH 690 Seminar: Professional Ethics**

**MFTH 691 Research Methodology**

**MFTH 696 Research/Clinical Paper**

**MFTH 698 Special Studies**

**MFTH 699 Independent Studies**

## **Management (MGMT)**

**MGMT 2600 Managing Yourself**

**MGMT 2690 Managing Diversity**

**MGMT 2698 Special Studies**

**MGMT 3600 Managing Others**

**MGMT 3686 Learning and Development**

**MGMT 4600 Global Immersion**

**MGMT 4608 Faith and Business**

**MGMT 4630 International Management**

**MGMT 4640 Cross-Cultural Leadership**

**MGMT 4665 Strategic Staffing and Professional Recruitment**

**MGMT 4695 Global Sustainability: Challenges and Prospects in East Asia**

**MGMT 4698 Special Studies**

**MGMT 4699 Independent Studies**

## **Marketing (MRKT)**

**MRKT 2598 Special Studies**

**MRKT 3512 Customer Insights**

**MRKT 3513 Rethinking the Marketplace**

**MRKT 3516 Company and Customer Mutualism**

**MRKT 3521 The New World of Branding and Advertising**

**MRKT 3531 Brand Planning and Strategy**

**MRKT 3532 Personal Brand Management**

**MRKT 3570 Marketing Law**

**MRKT 3597 Internship**

**MRKT 3598 Special Studies**

**MRKT 3599 Independent Studies**

**MRKT 4510 Advertising and Promotion Management**

**MRKT 4511 Cross-Platform Content Creation**

**MRKT 4515 Managing Retail and Service Businesses**

**MRKT 4517 Data-Driven Customer Insights**

**MRKT 4521 Adaptive Media and Analytics**

**MRKT 4523 Historical Survey of Business and Capitalism in Society**

**MRKT 4524 Sustainable Marketing Enterprises**

**MRKT 4525 Competitive Strategy**

**MRKT 4527 Customer Relationship Management Analytics**

**MRKT 4531 Creative Brand Management**

**MRKT 4532 Advertising Account Management**

**MRKT 4533 Psychology of Health and Marketing**

**MRKT 4534 Bottom-up Marketing Innovation**

**MRKT 4535 Public Policy and Marketing**

**MRKT 4536 Professional Selling**

**MRKT 4537 Online and Social Media Analytics**

**MRKT 4543 Brands, Celebrities, and the Arts**

**MRKT 4545 New Product Development**

**MRKT 4546 Brand Management**

**MRKT 4547 Strategic Marketing Decision Making**

**MRKT 4553 Non-Profit Marketing**

**MRKT 4555 Business-to-Business Marketing**

**MRKT 4556 Supply Chain Management and Logistics**

**MRKT 4561 Managing User Experience**

**MRKT 4563 New Perspectives for Understanding Markets**

**MRKT 4565 The Psychology of Selling and Consuming**

**MRKT 4566 Pricing Goods and Services**

**MRKT 4573 Sports Marketing**

**MRKT 4574 Entertainment Marketing**

**MRKT 4576 Marketing Strategy in the Global Environment**

**MRKT 4583 Modern Consumer Culture**

**MRKT 4593 Brand Storytelling**

**MRKT 4595 Value Creation and Marketing Accountability**

**MRKT 4598 Special Studies**

**MRKT 4599 Independent Studies**

## **Music (MUSC)**

**MUSC 101 Studio Class**

**MUSC 102 Enjoyment of Music**

**MUSC 104 Fundamentals of Music**

**MUSC 105 The Vocal Experience**

**MUSC 106 The Guitar Experience**

**MUSC 107 The Piano Experience**

**MUSC 121 Music Theory and Form I**

**MUSC 122 Music Theory and Form II**

**MUSC 133 Aural Skills I**

**MUSC 134 Aural Skills II**

**MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice**

**MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice**

**MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice**

**MUSC 196 Global Popular Music and American Diversity**

**MUSC 198 Special Studies**

**MUSC 199 Independent Studies**

**MUSC 221 Music Theory and Form III**

**MUSC 222 Music Theory and Form IV**

**MUSC 235 Instrumentation**

**MUSC 280 Guitar, Percussion, Piano, Strings, Voice**

**MUSC 281 Guitar, Percussion, Piano, Strings, Voice**

**MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice**

**MUSC 303 Introduction to World Music Cultures**

**MUSC 304 Topics in World Music Cultures**

**MUSC 307 Choral Literature**

**MUSC 308 Orchestral Literature**

**MUSC 310 Instrumental Pedagogy**

**MUSC 316 Music History: Antiquity to 1600**

**MUSC 317 Music History: 1600-1820**

**MUSC 318 Music History: 1820 to Present**

**MUSC 319 Analytic Techniques**

**MUSC 322 Modal Counterpoint**

**MUSC 323 Tonal Counterpoint**

**MUSC 324 Vernacular Harmony and Forms**

**MUSC 326 Music Technology and Production**

**MUSC 328 Choral Methods I**

**MUSC 330 Score Reading I**

**MUSC 331 Score Reading II**

**MUSC 332 Choral Conducting**

**MUSC 333 Instrumental Conducting**

**MUSC 340 Diction for Singers I**

**MUSC 341 Vocal Pedagogy**

**MUSC 342 Diction for Singers II**

**MUSC 343 Opera Scenes/Workshop**

**MUSC 344 Alexander Technique**

**MUSC 354 World Music Practicum I**

**MUSC 355 World Music Practicum II**

**MUSC 365 History of Jazz**

**MUSC 366 History of Rock**

**MUSC 367 History of Popular Music**

**MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition**

**MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition**

**MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice**

**MUSC 387 Music Composition I**

**MUSC 388 Music Composition II**

**MUSC 396 Sociology of Music**

**MUSC 398 Special Studies**

**MUSC 399 Independent Studies**

**MUSC 407 Research and Methods in Ethnomusicology**

**MUSC 412 Pre-Renaissance and Renaissance Music**

**MUSC 413 Music of Baroque**

**MUSC 414 Music of the Classical Era**

**MUSC 415 Music of the Romantic Age**

**MUSC 416 Music of the Twentieth-Century Era**

**MUSC 428 Choral Methods II**

**MUSC 432 Advanced Choral Conducting**

**MUSC 433 Advanced Instrumental Conducting**

**MUSC 435 Instrumental Conducting Practicum**

**MUSC 445 Choral Practicum**

**MUSC 446 Orchestral Techniques Practicum**

**MUSC 450 Senior Project/Recital**

**MUSC 454 World Music Ensembles I**

**MUSC 455 World Music Ensembles II**

**MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition**

**MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition**

**MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice**

**MUSC 487 Music Composition III**

**MUSC 488 Music Composition IV**

**MUSC 489 Chamber Orchestra Practicum**

**MUSC 490 Chamber Orchestra**

**MUSC 491 Consort Singers**

**MUSC 492 Chamber Music Ensembles**

**MUSC 493 Women's Chorus**

**MUSC 494 Men's Chorus**

**MUSC 495 Concert Choir**

**MUSC 496 Theory Placement Practicum**

**MUSC 497 Musicology Placement Practicum**

**MUSC 498 Special Studies**

**MUSC 499 Independent Studies**

## **Orientation (ORNT)**

**ORNT 1000 Freshman Forum**

**ORNT 2000 Transfer Forum**

## **Philosophy (PHIL)**

**PHIL 1800 Philosophical Inquiry**

**PHIL 1998 Special Studies**

**PHIL 1999 Independent Studies**

**PHIL 2010 Logic**

**PHIL 2350 Philosophy and Film**

**PHIL 2910 Philosophy Proseminar**

**PHIL 2998 Special Studies**

**PHIL 2999 Independent Studies**

**PHIL 3010 Advanced Symbolic Logic**

**PHIL 3100 Ethics**

**PHIL 3105 Ethics of Love and Marriage**

**PHIL 3110 Environmental Ethics**

**PHIL 3112 Environmental Virtue Ethics**

**PHIL 3115 Ethics for Engineering and Science**

**PHIL 3120 Business Ethics**

**PHIL 3125 Media Ethics**

**PHIL 3135 Bioethics**

**PHIL 3140 Ethics and Education**

**PHIL 3145 Topics in Applied Ethics**

**PHIL 3150 Contemporary Moral Problems**

**PHIL 3160 Political Philosophy**

**PHIL 3165 Philosophy of Law**

**PHIL 3180 raceSEXgender**

**PHIL 3200 Philosophy of Science**

**PHIL 3220 Environmental Philosophy**

**PHIL 3320 Philosophy and the Arts**

**PHIL 3330 Philosophy and Literature**

**PHIL 3340 Philosophy and Culture**

**PHIL 3355 Meditative Gaze: Dao and Film**

**PHIL 3400 Philosophy of Religion**

**PHIL 3410 Philosophy of God**

**PHIL 3420 Philosophy and Christianity**

**PHIL 3440 The God of Faith and Reason**

**PHIL 3510 Ancient Philosophy**

**PHIL 3515 Philosophy in Late Antiquity**

**PHIL 3520 Medieval Philosophy**

**PHIL 3530 Modern Philosophy I**

**PHIL 3540 Modern Philosophy II**

**PHIL 3565 Chinese Philosophy**

**PHIL 3712 Augustine**

**PHIL 3998 Special Studies**

**PHIL 3999 Independent Studies**

**PHIL 4170 Feminist Philosophy**

**PHIL 4175 Images of Women in Philosophy**

**PHIL 4210 Science and Religion**

**PHIL 4300 Aesthetics**

**PHIL 4310 Aesthetics in Catholic Tradition**

**PHIL 4430 Personalism**

**PHIL 4610 The Analytic Tradition**

**PHIL 4620 Pragmatism**

**PHIL 4630 Phenomenology**

**PHIL 4635 Phenomenology of the Self**

**PHIL 4640 Existentialism**

**PHIL 4650 Postmodernism**

**PHIL 4660 Hermeneutics**

**PHIL 4670 Spanish Philosophy**

**PHIL 4680 Topics in Chinese Philosophy**

**PHIL 4700 Major Thinkers**

**PHIL 4704 Plato**

**PHIL 4706 Aristotle**

**PHIL 4720 Aquinas**

**PHIL 4738 Kant**

**PHIL 4742 Hegel**

**PHIL 4746 Kierkegaard**

**PHIL 4756 Heidegger**

**PHIL 4762 Wittgenstein**

**PHIL 4810 Metaphysics**

**PHIL 4820 Epistemology**

**PHIL 4830 Philosophy of Mind**

**PHIL 4920 Special Topics**

**PHIL 4990 Senior Assessment**

**PHIL 4995 Ethics Minor Assessment**

**PHIL 4998 Special Studies**

**PHIL 4999 Independent Studies**

**PHIL 5910 Senior Project**

**PHIL 5998 Special Studies**

**PHIL 5999 Independent Studies**

**PHIL 6100 Ethics**

**PHIL 6110 Practical Wisdom**

**PHIL 6150 Social and Political Philosophy**

**PHIL 6180 Virtue Ethics**

**PHIL 6200 Philosophy of Science**

**PHIL 6400 Topics in Philosophy and Religion**

**PHIL 6410 Divine Foreknowledge and Human Free Will**

**PHIL 6420 Divine and Human Willing**

**PHIL 6530 Early Modern Philosophy**

**PHIL 6565 Classics of Chinese Philosophy**

**PHIL 6590 American Philosophy**

**PHIL 6630 Topics in Phenomenology**

**PHIL 6640 Topics in Continental Philosophy**

**PHIL 6650 Contemporary French Philosophy**

**PHIL 6660 Hermeneutics**

**PHIL 6690 Critical Theory**

**PHIL 6704 Plato**

**PHIL 6706 Aristotle**

**PHIL 6710 Plotinus**

**PHIL 6712 Augustine**

**PHIL 6720 Aquinas**

**PHIL 6722 Duns Scotus**

**PHIL 6728 Pascal**

**PHIL 6736 Hume**

**PHIL 6738 Kant**

**PHIL 6742 Hegel**

**PHIL 6746 Kierkegaard**

**PHIL 6752 Husserl**

**PHIL 6756 Heidegger**

**PHIL 6762 Wittgenstein**

**PHIL 6770 Lonergan**

**PHIL 6810 Metaphysics**

**PHIL 6820 Epistemology**

**PHIL 6830 Philosophy of Mind**

**PHIL 6840 Personalist Metaphysics**

**PHIL 6990 Teacher Orientation and Practicum**

**PHIL 6995 Oral Examinations**

**PHIL 6998 Special Studies**

**PHIL 6999 Independent Studies**

## **Physics (PHYS)**

**PHYS 100 Thinking in Science**

**PHYS 101 Introduction to Mechanics**

**PHYS 195 Waves and Light**

**PHYS 198 Special Studies**

**PHYS 199 Independent Studies**

**PHYS 201 Introduction to Electricity and Magnetism**

**PHYS 206 Foundations of Modern Physics**

**PHYS 212 Intermediate Mechanics**

**PHYS 253 General Physics I**

**PHYS 254 General Physics II**

**PHYS 271 Astronomy**

**PHYS 278 Great Ideas in Physics**

**PHYS 298 Special Studies**

**PHYS 299 Independent Studies**

**PHYS 301 Electromagnetic Fields**

**PHYS 302 Electromagnetic Waves**

**PHYS 321 Quantum Mechanics I**

**PHYS 322 Quantum Mechanics II**

**PHYS 351 Space Physics**

**PHYS 361 Astrophysics**

**PHYS 371 Biophysics**

**PHYS 374 Weapons of Mass Destruction**

**PHYS 398 Special Studies**

**PHYS 399 Independent Studies**

**PHYS 411 Modern Physics Lab**

**PHYS 421 Condensed Matter Physics**

**PHYS 441 Modern Optics**

**PHYS 451 Thermodynamics and Statistical Mechanics**

**PHYS 461 Elementary Particle Physics**

**PHYS 471 Introduction to Relativity and Cosmology**

**PHYS 480 Capstone Experience**

**PHYS 481 Senior Thesis**

**PHYS 490 Physics Teaching**

**PHYS 493 Physics/Applied Physics Internship**

**PHYS 498 Special Studies**

**PHYS 499 Independent Studies**

## **Peace and Justice Studies (PJST)**

**PJST 1000 Introduction to Peace and Justice Studies**

**PJST 3800 Peace and Justice Internship**

**PJST 3998 Special Studies**

**PJST 3999 Independent Studies**

**PJST 5900 Peace and Justice Senior Thesis**

## **Political Science (POLS)**

**POLS 1200 U.S. Politics**

**POLS 1400 Comparative Politics**

**POLS 1600 International Relations**

**POLS 1810 Political Science Learning Community I**

**POLS 1820 Political Science Learning Community II**

**POLS 1998 Special Studies**

**POLS 1999 Independent Studies**

**POLS 2000 Foundations of Political Theory**

**POLS 2001 Foundations of International Political Theory**

**POLS 2100 Empirical Approaches**

**POLS 2998 Special Studies**

**POLS 2999 Independent Studies**

**POLS 3010 Classical and Christian Political Theory**

**POLS 3020 Modern Political Theory**

**POLS 3030 Contemporary Political Theory**

**POLS 3040 American Political Thought**

**POLS 3050 Critical Race Theory**

**POLS 3060 Marx and Marxism**

**POLS 3210 Congressional Politics**

**POLS 3220 Presidency**

**POLS 3230 Courts, Law, and Society**

**POLS 3240 Media and Politics**

**POLS 3250 Campaigns and Elections**

**POLS 3310 Racial and Ethnic Politics**

**POLS 3320 Social Movements**

**POLS 3330 Immigration Politics and Policy**

**POLS 3340 Urban Politics**

**POLS 3350 Elderly and the Law**

**POLS 3410 Politics of Africa**

**POLS 3420 Political Dynamics of East Asia: Greater China, Japan, and the Koreas**

**POLS 3425 Japanese Society and Politics**

**POLS 3430 Politics of Latin America**

**POLS 3440 Politics in the Middle East**

**POLS 3445 Politics of Modern Israel**

**POLS 3480 U.S.-British Politics**

**POLS 3481 British Government**

**POLS 3482 British Public Policy**

**POLS 3510 Politics of Development**

**POLS 3610 International Cooperation**

**POLS 3620 International Security**

**POLS 3630 Peace and Reconciliation**

**POLS 3640 European Politics**

**POLS 3650 United States Foreign Policy**

**POLS 3660 Model United Nations**

**POLS 3800 Internship**

**POLS 3810 Washington Internship**

**POLS 3820 Washington, D.C. Politics**

**POLS 3830 British House of Commons Internship**

**POLS 3850 Politics and Film**

**POLS 3900 Special Studies in Political Theory**

**POLS 3920 Special Studies in U.S. Politics**

**POLS 3940 Special Studies in Comparative Politics**

**POLS 3960 Special Studies in International Politics**

**POLS 3998 Special Studies**

**POLS 3999 Independent Studies**

**POLS 4010 Ethics, Politics, and Policy**

**POLS 4020 Ethics of War**

**POLS 4030 Punishment and Mercy**

**POLS 4040 Political Rhetoric**

**POLS 4100 Advanced Empirical Methods**

**POLS 4210 United States Constitutional Law: Case Method I**

**POLS 4220 United States Constitutional Law: Case Method II**

**POLS 4250 Public Policy Analysis**

**POLS 4300 Political Psychology**

**POLS 4310 Chicana/o Politics**

**POLS 4330 Gender and Politics**

**POLS 4360 Public Opinion and American Culture**

**POLS 4370 Interest Groups and Advocacy**

**POLS 4380 Politics of California**

**POLS 4390 Politics of Los Angeles**

**POLS 4440 Politics of the Middle East through Film**

**POLS 4510 Slavery, Abolition, and Modern Slavery**

**POLS 4515 Food Politics Seminar**

**POLS 4650 The Politics of the Global Economy**

**POLS 4710 International Law**

**POLS 4720 Global Human Rights**

**POLS 4750 Foreign Policy Analysis**

**POLS 4800 Political Leadership**

**POLS 4900 Special Studies in Political Theory**

**POLS 4920 Special Studies in U.S. Politics**

**POLS 4940 Special Studies in Comparative Politics**

**POLS 4960 Political Violence and Terrorism**

**POLS 4998 Special Studies**

**POLS 4999 Independent Studies**

**POLS 5010 Political Ethics**

**POLS 5020 Christianity in Modern Political Thought**

**POLS 5030 Detention and Incarceration**

**POLS 5260 Education Policy**

**POLS 5320 New Social Movements**

**POLS 5360 Gender and the Law**

**POLS 5420 Rivalry and Cooperation in East Asia**

**POLS 5600 Theories of International Relations**

**POLS 5700 International Relations Senior Assessment**

**POLS 5710 International Affairs and Social Justice**

**POLS 5720 Comparative Human Rights**

**POLS 5730 Ethics and Peacebuilding**

**POLS 5800 Honors Seminar**

**POLS 5810 Honors Thesis**

**POLS 5820 Senior Thesis**

**POLS 5850 Politics in Shakespeare**

**POLS 5900 Special Studies in Political Thought**

**POLS 5920 Special Studies in U.S. Politics**

**POLS 5940 Special Studies in Comparative Politics**

**POLS 5960 Humanitarian Aid and Intervention**

**POLS 5998 Special Studies**

**POLS 5999 Independent Studies**

## **Film and Television Production (PROD)**

**PROD 101 Production Bootcamp: The Film Crew at Work**

**PROD 180 Pre-Production**

**PROD 198 Special Studies**

**PROD 199 Independent Studies**

**PROD 200 Introduction to Film Production: Making the Short Film**

**PROD 201 Introduction to Film Production Lab**

**PROD 210 Introduction to Documentary Production**

**PROD 240 Images of Faith and Justice**

**PROD 250 Writing, Producing, and Directing Episodic Television**

**PROD 298 Special Studies**

**PROD 299 Independent Studies**

**PROD 326 Intermediate Pre-Production: Producing the Documentary Short**

**PROD 328 International Documentary Pre-Production**

**PROD 330 Media Innovation: Small Format Video and the Web**

**PROD 340 Introduction to Cinematography Non-Fiction**

**PROD 341 Cinematography I**

**PROD 342 Cinematography II**

**PROD 355 International Documentary Production**

**PROD 366 Post-Production I**

**PROD 367 Editing for Non-Majors**

**PROD 368 Production Planning**

**PROD 379 Directing I: From Script to Stage**

**PROD 380 Music Video Production**

**PROD 381 Production Design**

**PROD 390 Intermediate Production: Producing and Directing the Fiction Short**

**PROD 392 Intermediate Production: Producing and Directing the Documentary Short**

**PROD 398 Special Studies**

**PROD 399 Independent Studies**

**PROD 410 Film/TV Topical Seminar**

**PROD 431 Web Series Development**

**PROD 433 Developing, Selling, and Monetizing Digital Content**

**PROD 435 Film and Television Development**

**PROD 439 Producing Master Class**

**PROD 440 Cinematography III: Practicum for Cinematographers**

**PROD 460 Capstone Experience: Advanced Practicum**

**PROD 464 Visual Effects**

**PROD 466 Advanced Editing: Practicum for Editors**

**PROD 467 Post-Production Sound**

**PROD 480 Advanced Production Seminar**

**PROD 484 Visual Design**

**PROD 487 Actor Workshop**

**PROD 488 Directing the Camera**

**PROD 489 Advanced Directing Seminar**

**PROD 490 Advanced Production: Producing and Directing the Fiction Short**

**PROD 492 Advanced Production: Producing and Directing the Documentary Short**

**PROD 495 Post-Finishing the Film**

**PROD 498 Special Studies**

**PROD 499 Independent Studies**

**PROD 500 Directing the Short Film I: Vision and Exploration**

**PROD 530 Intermediate Documentary Pre-Production**

**PROD 541 Introduction to Cinematography**

**PROD 550 Directing the Short Film II: Visual Storytelling**

**PROD 566 Introduction to Post-Production**

**PROD 567 Practicum in Color Correction**

**PROD 570 Production Planning**

**PROD 580 Music Video Production**

**PROD 581 Production Design**

**PROD 598 Special Studies**

**PROD 599 Independent Studies**

**PROD 600 Directing the Short Film III: Directing Actors**

**PROD 626 Pre-Production for Documentary Thesis**

**PROD 631 Web Series Development**

**PROD 633 Developing, Selling, and Monetizing Digital Content**

**PROD 635 Film and Television Development**

**PROD 639 Producing Master Class**

**PROD 642 Cinematography II**

**PROD 649 Cinematography Master Class**

**PROD 650 Thesis Project I: Pre-Production and Production**

**PROD 664 Visual Effects**

**PROD 666 Advanced Editing**

**PROD 670 Thesis Project II: Post-Production**

**PROD 671 Thesis Project: Post-Finishing the Film**

**PROD 675 Thesis Portfolio**

**PROD 680 Advanced Directing Seminar**

**PROD 684 Visual Design**

**PROD 685 Advanced Production Seminar**

**PROD 687 Actor Workshop**

**PROD 688 Directing the Camera**

**PROD 698 Special Studies**

**PROD 699 Independent Studies**

## **Psychology (PSYC)**

**PSYC 1000 General Psychology**

**PSYC 1998 Special Studies**

**PSYC 1999 Independent Studies**

**PSYC 2001 Statistical Methods for Psychology**

**PSYC 2002 Research Methods**

**PSYC 2003 Brain and Behavior**

**PSYC 2998 Special Studies**

**PSYC 2999 Independent Studies**

**PSYC 3010 Psychology of Sex Differences**

**PSYC 3019 African and Black Psychology**

**PSYC 3038 Abnormal Psychology**

**PSYC 3045 Psychology on Film**

**PSYC 3050 Principles of Behavioral Neuroscience**

**PSYC 3052 Lifespan Development**

**PSYC 3998 Special Studies**

**PSYC 3999 Independent Studies**

**PSYC 4001 Cognitive Neuroscience**

**PSYC 4002 Social Psychology**

**PSYC 4033 Community Psychology**

**PSYC 4036 Personality**

**PSYC 4045 Advanced Research Methods**

**PSYC 4052 Evolutionary Psychology**

**PSYC 4055 Neuropsychology**

**PSYC 4090 Teaching Internship**

**PSYC 4097 Research Assistantship**

**PSYC 4100 Capstone Seminar**

**PSYC 4101 Community-Based Service Learning, Integration, and Psychology**

**PSYC 4195 Senior Assessment**

**PSYC 4196 Honors in Psychology**

**PSYC 4998 Special Studies**

**PSYC 4999 Independent Studies**

## **Recording Arts (RECA)**

**RECA 220 Fundamentals of Sound**

**RECA 250 Sound Design**

**RECA 258 Sound Editing for Screen Arts**

**RECA 293 How Music Rocks and Rolls**

**RECA 298 Special Studies**

**RECA 299 Independent Studies**

**RECA 322 Recording Technology**

**RECA 330 Sound Design for Documentary**

**RECA 353 Sound on Set: Production Sound Techniques**

**RECA 358 Post-Production Sound**

**RECA 361 Capturing Live Music**

**RECA 362 Audio Software Applications**

**RECA 367 Sound for Filmmakers**

**RECA 393 Movie Music**

**RECA 394 Music Supervision**

**RECA 395 Video Game Sound**

**RECA 397 Recording Arts Internship**

**RECA 398 Special Studies**

**RECA 399 Independent Studies**

**RECA 461 Multi-Track Studio Recording**

**RECA 464 Advanced Audio**

**RECA 468 Advanced Post-Production Sound**

**RECA 470 Senior Capstone Portfolio**

**RECA 493 Contemporary Issues: Recording Arts**

**RECA 497 Recording Arts Internship**

**RECA 498 Special Studies**

**RECA 499 Independent Studies**

**RECA 500 Sound for Production**

**RECA 567 Seminar in Sound**

**RECA 568 Advanced Post-Production Sound**

**RECA 593 Movie Music**

**RECA 597 Recording Arts Internship**

**RECA 598 Special Studies**

**RECA 599 Independent Studies**

**Rhetorical Arts (RHET)**

**RHET 1000 Rhetorical Arts**

## **Science, Engineering, and Mathematics (SCEM)**

**SCEM 190 Exploring the Natural Sciences**

**SCEM 198 Special Studies**

**SCEM 199 Independent Studies**

**SCEM 265 Women in Science and Mathematics: Breaking the Stereotype**

**SCEM 267 The Science and Life of Galileo**

**SCEM 270 Experimenting in Science I**

**SCEM 271 Experimenting in Science II**

**SCEM 298 Special Studies**

**SCEM 320 Science, Theology, and the Future**

**SCEM 370 Workshop Biology: Life Works I**

**SCEM 371 Workshop Biology: Life Works I Laboratory**

**SCEM 372 Workshop Biology: Life Works II**

**SCEM 373 Workshop Biology: Life Works II Laboratory**

**SCEM 376 Workshop Chemistry: The Elements Nature I**

**SCEM 377 Workshop Chemistry: The Elements of Nature I Laboratory**

**SCEM 378 Workshop Chemistry: The Elements of Nature II**

**SCEM 379 Workshop Chemistry: The Elements of Nature II Laboratory**

**SCEM 398 Special Studies**

**SCEM 399 Independent Studies**

**SCEM 490 STEM Teaching**

**SCEM 491 Science Education Internship**

**SCEM 591 Science Education Internship**

## **Screenwriting (SCWR)**

**SCWR 120 Storytelling for the Screen**

**SCWR 220 Feature Story Development**

**SCWR 230 Write a Movie, Change the World**

**SCWR 298 Special Studies**

**SCWR 299 Independent Studies**

**SCWR 320 Feature Screenplay: Writing the First Draft**

**SCWR 321 Rewriting the Feature Screenplay**

**SCWR 322 Genre Screenwriting**

**SCWR 325 Writing the Comedy TV Series Spec**

**SCWR 326 Writing the Drama TV Series Spec**

**SCWR 327 Developing and Writing the Short Film**

**SCWR 328 Writing the TV Pilot**

**SCWR 329 Directing for Screenwriters**

**SCWR 340 Video Game Writing**

**SCWR 398 Special Studies**

**SCWR 399 Independent Studies**

**SCWR 420 Writing the Senior Project: Feature Screenplay or TV Pilot**

**SCWR 421 Rewriting the Senior Project: Feature Screenplay or TV Pilot**

**SCWR 427 Writing Shorts for Production**

**SCWR 428 Adaptation: Source to Screen**

**SCWR 498 Special Studies**

**SCWR 499 Independent Studies**

**SCWR 501 Production Fundamentals for Writing for the Screen**

**SCWR 510 Production Fundamentals for Writing and Producing for TV**

**SCWR 511 Production Fundamentals for Writing and Producing for TV**

**SCWR 527 Writing Shorts for Production**

**SCWR 530 Developing the Short Film**

**SCWR 540 Elements of Feature Screenwriting**

**SCWR 541 Writing the Feature Screenplay**

**SCWR 550 Elements of Television Writing**

**SCWR 551 Feature Screenwriting: Writing and Producing for TV**

**SCWR 552 Digital Storytelling**

**SCWR 553 Writing for Reality Television**

**SCWR 554 The TV Writers Room**

**SCWR 560 Writing the Feature for Directors**

**SCWR 598 Special Studies**

**SCWR 599 Independent Studies**

**SCWR 611 Planning Ahead: Producing Fundamentals**

**SCWR 620 Writing the Production Thesis Screenplay**

**SCWR 635 Advanced Motion Picture Script Analysis**

**SCWR 640 Rewriting the Feature Screenplay**

**SCWR 641 Feature Film and Television Adaptation**

**SCWR 650 Advanced Feature Screenwriting**

**SCWR 651 Rewriting the Advanced Screenplay**

**SCWR 660 Writing the Drama TV Series Spec**

**SCWR 661 Writing an Original Drama Pilot**

**SCWR 670 Writing the Comedy TV Series Spec**

**SCWR 671 Writing an Original Comedy Pilot**

**SCWR 675 Rewriting the Television Pilot: Comedy and Drama**

**SCWR 680 Preproduction for Thesis Project**

**SCWR 681 Post-Production for Thesis Project**

**SCWR 682 Portfolio Workshop**

**SCWR 685 Entertainment Business Affairs**

**SCWR 689 Directing and Acting for Screenwriters**

**SCWR 690 Thesis Screenplay Project**

**SCWR 691 Rewriting Thesis Screenplay Project**

**SCWR 692 Feature Film and Television Portfolio Workshop**

**SCWR 698 Special Studies**

**SCWR 699 Independent Studies**

## **Sociology (SOCL)**

**SOCL 1000 Principles of Sociology**

**SOCL 1998 Special Studies**

**SOCL 1999 Independent Studies**

**SOCL 2000 Qualitative Research Methods**

**SOCL 2100 Quantitative Research Methods**

**SOCL 2998 Special Studies**

**SOCL 2999 Independent Studies**

**SOCL 3000 Sociological Theory**

**SOCL 3100 Metropolitan Los Angeles**

**SOCL 3110 Sociology of Sport**

**SOCL 3120 Social Organization**

**SOCL 3130 Sociology of Law**

**SOCL 3140 Sociology of Popular Culture**

**SOCL 3141 Media: The Empire of Illusion**

**SOCL 3150 Sociology of Health and Illness**

**SOCL 3160 Sociology of Marriage and Families**

**SOCL 3200 Deviant Behavior**

**SOCL 3210 Gender and Society**

**SOCL 3211 Men and Masculinities**

**SOCL 3221 Race and Ethnic Relations**

**SOCL 3222 Sociology of the Black Community**

**SOCL 3231 Social Stratification**

**SOCL 3232 Community**

**SOCL 3233 Political Sociology**

**SOCL 3240 Sociology of Aging**

**SOCL 3250 Health and Social Justice**

**SOCL 3260 Human Trafficking**

**SOCL 3290 Social Inequalities**

**SOCL 3300 Urban Sociology**

**SOCL 3310 Demography and Population Analysis**

**SOCL 3320 Social Psychology**

**SOCL 3321 Sociology of Emotions**

**SOCL 3340 Social Movements**

**SOCL 3341 Politics, Faith, and Civic Engagement**

**SOCL 3350 The Life Course**

**SOCL 3351 Sociology of Adolescents**

**SOCL 3360 Environment and Society**

**SOCL 3370 Sociology of Globalization**

**SOCL 3371 Gender and Global Migration**

**SOCL 3372 Sociology of U.S. Immigration**

**SOCL 3373 Immigration and Los Angeles**

**SOCL 3390 Work and Economic Justice**

**SOCL 3998 Special Studies**

**SOCL 3999 Independent Studies**

**SOCL 4100 Criminal Justice**

**SOCL 4101 Criminal Law**

**SOCL 4103 Social Psychology and the Law**

**SOCL 4110 Religion, Culture, and Society**

**SOCL 4120 Science, Technology, and Society**

**SOCL 4202 Crime and Delinquency**

**SOCL 4500 Internship**

**SOCL 4900 Sociology Seminar**

**SOCL 4998 Special Studies**

**SOCL 4999 Independent Studies**

## **Spanish (SPAN)**

**SPAN 1998 Special Studies**

**SPAN 1999 Independent Studies**

**SPAN 2101 Spanish 1**

**SPAN 2102 Spanish 2**

**SPAN 2103 Spanish 3**

**SPAN 2113 Spanish 3 for Latino Students**

**SPAN 2603 Conversational Spanish**

**SPAN 2804 Stylistics and Composition**

**SPAN 2998 Special Studies**

**SPAN 2999 Independent Studies**

**SPAN 3410 Spanish Linguistics 1: Sounds and Words**

**SPAN 3431 Spanish Linguistics 2: Structure and Variation**

**SPAN 3510 Introduction to Hispanic Literatures**

**SPAN 3521 Survey of Latin American Literature**

**SPAN 3541 Survey of Peninsular Spanish Literature**

**SPAN 3998 Special Studies**

**SPAN 3999 Independent Studies**

**SPAN 4252 Hispanic Cultural Studies**

**SPAN 4362 Latin American Cinema**

**SPAN 4388 Spanish Cinema**

**SPAN 4472 Spanish Language Acquisition**

**SPAN 4473 The Sounds of Spanish: Theory and Practice**

**SPAN 4474 Spanish of the Americas**

**SPAN 4475 Spanish of the United States**

**SPAN 4489 Selected Topics in Spanish Linguistics**

**SPAN 4563 Latin American Drama**

**SPAN 4564 Latin American Novel**

**SPAN 4565 Latin American Poetry**

**SPAN 4566 Latin American Short Story**

**SPAN 4567 Latin American Women Writers**

**SPAN 4582 Early Modern Spanish Drama and Poetry**

**SPAN 4583 Early Modern Spanish Narrative**

**SPAN 4584 Miguel de Cervantes and Don Quixote**

**SPAN 4585 Spanish Literature of the 19th Century**

**SPAN 4586 Spanish Literature of the 20th-21st Centuries**

**SPAN 4587 Federico Garcia Lorca and His World**

**SPAN 4589 Selected Topics in Spanish Studies**

**SPAN 4990 Senior Capstone Project**

**SPAN 4998 Special Studies**

**SPAN 4999 Independent Studies**

**Systems Engineering (SYEG)**

**SYEG 500 Systems Engineering**

**SYEG 510 Project Management**

**SYEG 520 Engineering Leadership and Integrity**

**SYEG 530 Lean Engineering and Management**

**SYEG 540 Systems Thinking: Major Tech Changes/Impacts**

**SYEG 551 Software Architecture**

**SYEG 554 Engineering for Autonomy**

**SYEG 557 Agile Development and Project Management**

**SYEG 560 Cyber Security**

**SYEG 562 Secure Software Development**

**SYEG 563 Case Studies in Cyber Defense**

**SYEG 570 Spacecraft Design**

**SYEG 572 Spacecraft Communications and Radar**

**SYEG 576 Business Law for Engineers**

**SYEG 577 Engineering Economics and Finance**

**SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization**

**SYEG 586 Launch Vehicle Technology and Design Evolution**

**SYEG 598 Special Studies**

**SYEG 599 Independent Studies**

**SYEG 600 Advanced Systems Engineering and Program Management**

**SYEG 620 Manufacturing Processes and Quality Systems**

**SYEG 640 Systems Architecture II: Model Based Systems Engineering**

**SYEG 650 Systems Architecture I**

**SYEG 664 Advanced Cybersecurity Management**

**SYEG 668 Systems Engineering Modeling and Analysis**

**SYEG 673 New Product Design and Development**

**SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation**

**SYEG 695 Preparation for Capstone Project**

**SYEG 696 Systems Engineering Integrative Project/Thesis**

**SYEG 698 Special Studies**

**SYEG 699 Independent Studies**

## **Theatre Arts (THEA)**

**THEA 110 Beginning Acting**

**THEA 111 Introduction to Theatre Performance**

**THEA 113 Voice and Speech**

**THEA 114 Movement for Actors**

**THEA 120 Stagecraft**

**THEA 121 Stagecraft Lab**

**THEA 124 Costume Craft**

**THEA 125 Costume Craft Lab**

**THEA 126 Lighting and Sound Craft**

**THEA 127 Lighting and Sound Craft Lab**

**THEA 175 Script Analysis**

**THEA 210 Scene Study and Presentation**

**THEA 223 Lighting Design I**

**THEA 224 Scene Design I**

**THEA 225 Basic Stage Make-up**

**THEA 227 Costume Design I**

**THEA 230 Costume History and Fashion**

**THEA 234 Introduction to Meisner Technique**

**THEA 240 Western Theatre History and Literature I**

**THEA 245 Western Theatre History and Literature II**

**THEA 247 Diversity in American Drama**

**THEA 249 Theatre and/as Theology**

**THEA 266 Introduction to Camera Acting**

**THEA 298 Special Studies**

**THEA 299 Independent Studies**

**THEA 300 Theatre in Los Angeles**

**THEA 310 Intermediate Scene Study**

**THEA 311 Intermediate Voice**

**THEA 312 Voice Development**

**THEA 316 Improv for the Actor**

**THEA 317 Dialects for the Stage**

**THEA 318 Stage Combat**

**THEA 325 Design II**

**THEA 328 Theatre Crafts Workshop Lab**

**THEA 329 Theatre Crafts Workshop: Stagecraft**

**THEA 331 Classical Spirit in Drama**

**THEA 334 Intermediate Meisner Technique**

**THEA 335 Renaissance Drama in Action**

**THEA 336 Romantic Spirit in Drama**

**THEA 337 Japanese Theatre into Cinema**

**THEA 338 Traditions of Indian Performance**

**THEA 341 Realistic Spirit in Drama**

**THEA 343 Shakespeare: Stage and Screen**

**THEA 344 Catholic Spirit in Drama**

**THEA 345 Jewish Spirit in Drama**

**THEA 346 Avant-Garde Spirit in Drama**

**THEA 347 African Spirit in Drama**

**THEA 348 Asian Spirit in Drama**

**THEA 349 Latinx Spirit in Drama**

**THEA 351 Theatre Practicum: Showcase**

**THEA 366 Acting for the Camera**

**THEA 370 Directing for the Theatre I**

**THEA 381 Voices of Justice**

**THEA 382 Theatre and Social Change**

**THEA 383 Comedy and Social Change**

**THEA 385 Voiceover Technique**

**THEA 398 Special Studies**

**THEA 399 Independent Studies**

**THEA 400 Playwriting**

**THEA 410 Advanced Scene Study**

**THEA 412 Advanced Movement for Actors**

**THEA 413 Devised Ensemble Theatre**

**THEA 418 Advanced Stage Combat**

**THEA 420 Advanced Theatre Design Seminar**

**THEA 421 Design III**

**THEA 430 Special Author/Genre Seminar**

**THEA 435 Special Period Seminar**

**THEA 450 Theatre Practicum: Crew**

**THEA 461 Acting: Special Genre**

**THEA 463 Acting: Auditions and Cold Reading**

**THEA 467 Career Development**

**THEA 490 Senior Thesis Project**

**THEA 491 Surviving as an Artist**

**THEA 495 Brecht Epic Political Theatre Techniques**

**THEA 498 Special Studies**

**THEA 499 Independent Studies**

**THEA 6000 Seminar - Introduction to Theatre Pedagogy**

**THEA 6010 Seminar in Research and Writing Theatre**

**THEA 6200 Issues in Theatre Pedagogy**

**THEA 6300 Seminar - Teaching Acting**

**THEA 6310 The Teaching Voice**

**THEA 6320 Teaching the Specialized Acting Course**

**THEA 6350 Techniques in Actor Coaching**

**THEA 6355 Advanced Techniques in Actor Coaching**

**THEA 6360 Techniques for Teaching Acting for Film, Television, and New Media**

**THEA 6420 Approaches to New Work Development**

**THEA 6450 Writing and the Ensemble-Devised Performance**

**THEA 6460 Children's Theatre**

**THEA 6470 The Teaching Artist**

**THEA 6510 Practicum: Teaching Beginning Acting**

**THEA 6551 Performance Practicum**

**THEA 6560 Vocal Directing for the Theatre**

**THEA 6570 Working with Voices**

**THEA 6580 Theatre for Youth in Conjunction with Production**

**THEA 6600 Survey of Dramatic Literature**

**THEA 6650 Theories of Acting and Directing**

**THEA 6700 Directing**

**THEA 6750 Advanced Directing**

**THEA 6775 Directing Practicum**

**THEA 6800 The Collaborative Process**

**THEA 6810 Advanced Design**

**THEA 6820 Design as Performance**

**THEA 6850 Equity and Diversity in the Classroom**

**THEA 6900 Thesis**

**THEA 6910 Thesis**

**THEA 6980 Advanced Topics in Theatre Pedagogy**

**THEA 6999 Independent Studies**

## **Theological Studies (THST)**

**THST 1000 Hebrew Bible/Old Testament: Theology, History, Interpretation**

**THST 1010 New Testament Contexts**

**THST 1011 The Meaning of God: Biblical Reflections in Modern Perspective**

**THST 1012 Moses, Marx, Messiah**

**THST 1020 American Catholicism**

**THST 1030 Exploring the Catholic Theological Tradition**

**THST 1031 Eastern Orthodox Theology**

**THST 1032 Augustine's Confessions**

**THST 1040 Christian Liturgy, Prayer, Sacrament**

**THST 1050 In Search of a Way: Spirituality, Faith, and Culture**

**THST 1060 God and the Good: An Introduction to Christian Ethics**

**THST 1080 Comparative Theology**

**THST 1500 World Religions of Los Angeles**

**THST 1501 Queering Race, Religion, and Ethnicity**

**THST 1502 Christianity and Native America**

**THST 1998 Special Studies**

**THST 1999 Independent Studies**

**THST 2998 Special Studies**

**THST 2999 Independent Studies**

**THST 3020 Late Antique and Medieval Western Christianity**

**THST 3021 The History of Christianity from the Middle Ages to the Present**

**THST 3022 Women in Christian History**

**THST 3023 Medieval Religious Thought and Practice**

**THST 3100 Judaism: Religion, History, Culture**

**THST 3200 Prophecy and Bible in New Zealand**

**THST 3210 Apostle Paul: Then and Now**

**THST 3211 Jesus in Gospel and Film**

**THST 3212 Theology after Crisis**

**THST 3220 Eastern Christian Traditions**

**THST 3221 Greek Orthodox Tradition**

**THST 3222 European Christianity: Schism, Reform, and Ecumenical Dialogue**

**THST 3223 Mystics and Heretics**

**THST 3224 Heretics, Monsters, and Poets**

**THST 3225 The Truth Is Out There: Tales from the Margins of Religion**

**THST 3230 Jesus, Kingdom, Church**

**THST 3231 Catholicism after Vatican II**

**THST 3232 U.S. Latinx Theology**

**THST 3233 Merton and Day**

**THST 3234 The Last Things**

**THST 3235 Atheism**

**THST 3236 God and the Human Experience**

**THST 3237 Sex and the City of God**

**THST 3238 Theology and Science**

**THST 3239 Christian Holiness: Being Human, Becoming God**

**THST 3240 Water, Word, and Wine**

**THST 3241 Meeting Christ in Faith and Art**

**THST 3242 Faith and the Management Profession**

**THST 3243 African American Religious Traditions**

**THST 3250 Psychology, Spirituality, Transformation**

**THST 3251 Practice of Everyday Life**

**THST 3252 Orthodox Christian Spirituality**

**THST 3260 Thinking Well, Doing Right**

**THST 3261 Voluntary and Involuntary Poverty**

**THST 3262 Visioning the Troubles: Catholics and Protestants in Northern Ireland**

**THST 3270 Local Faith Communities in U.S. Society**

**THST 3271 Ministry and Pastoral Leadership**

**THST 3280 Pop Hinduism**

**THST 3281 Islam in America**

**THST 3282 Buddhism**

**THST 3283 Hinduism, Jainism, Yoga**

**THST 3284 Sikhism**

**THST 3285 Women and Religion**

**THST 3286 Religion and (Non) Violence**

**THST 3287 Sacred, Sinister, Strange**

**THST 3560 Punishment and Mercy**

**THST 3561 Christian Marriage and Sexuality**

**THST 3562 God and the Political Order**

**THST 3563 Love and Justice**

**THST 3564 Ethics and Justice in Dante's Inferno**

**THST 3740 The Lord's Supper: Historical, Theological, and Ethical Perspectives**

**THST 3741 Religion and Film**

**THST 3750 Into the Desert**

**THST 3751 Sacred Place**

**THST 3752 Contemplatives in Action: Psychology, Spirituality, and Liberation**

**THST 3780 World Religions and Ecology**

**THST 3781 Death and Dying in the World's Religions**

**THST 3782 The Architecture of Politics and Religion: Theories of Civic and Sacred Space**

**THST 3998 Special Studies**

**THST 3999 Independent Studies**

**THST 4010 Gospel of Mark**

**THST 4011 New Testament Theology**

**THST 4020 Early Christian Theology**

**THST 4021 Medieval Religious Thought and Practice**

**THST 4022 Heresy and Mysticism**

**THST 4023 Medieval Theology**

**THST 4030 Theology and History of Vatican II**

**THST 4031 Christology**

**THST 4032 Rahner**

**THST 4033 Theotokos**

**THST 4034 Theology of Liberation**

**THST 4035 Dante's Divine Comedy**

**THST 4040 Eucharistic Theology**

**THST 4041 The Art and Theology of the Icon**

**THST 4050 Topics in Christian Spirituality**

**THST 4051 Ignatian Spirituality**

**THST 4060 Christian Ethics and Social Responsibility**

**THST 4061 Christian Ethics and HIV/AIDS**

**THST 4062 Topics in Theological Ethics**

**THST 4070 Ministry to Youth and Young Adults**

**THST 4080 Topics in Comparative Theology**

**THST 4081 Islam in the Modern World**

**THST 4082 Hindu and Jaina Theology**

**THST 4090 Major Theological and Religious Thinker**

**THST 4091 Major Theological and Religious Theme**

**THST 4998 Special Studies**

**THST 4999 Independent Studies**

**THST 6000 Foundations of Old Testament Theology**

**THST 6010 Foundations of New Testament Theology**

**THST 6011 Gospel of Matthew**

**THST 6012 Gospel of Mark**

**THST 6013 Luke-Acts**

**THST 6014 Gospel of John**

**THST 6015 Topics in the Gospels**

**THST 6016 Paul the Apostle**

**THST 6020 Foundations of Historical Theology**

**THST 6021 Early Christian Theology**

**THST 6022 History of Christian Spirituality**

**THST 6023 Medieval Theology**

**THST 6030 Introduction to Systematic Theology**

**THST 6031 Christology**

**THST 6032 Issues in the Contemporary Church**

**THST 6033 Feminist Theology**

**THST 6034 U.S. Latino/a Theology**

**THST 6040 Liturgical Theology: History and Interpretation**

**THST 6041 The Rites**

**THST 6042 Sacraments and Sacramentality**

**THST 6043 Faith and Culture**

**THST 6050 Issues in Christian Spirituality**

**THST 6051 The Theory and Practice of Spiritual Direction**

**THST 6052 Ignatian Spirituality and Discernment**

**THST 6053 Psychological Foundations of Spiritual Direction**

**THST 6054 Practicum and Supervision in Spiritual Direction**

**THST 6060 Foundations of Theological Ethics**

**THST 6061 Catholic Social Teachings**

**THST 6062 Issues in Moral Theology Today**

**THST 6063 Issues in Bioethics**

**THST 6070 Foundations of Pastoral Theology**

**THST 6071 Pastoral Approaches to Religious Education**

**THST 6072 Skills for Pastoral Ministry**

**THST 6073 Theory and Practice of Pastoral Leadership**

**THST 6074 Spiritual Formation for Pastoral Ministry**

**THST 6075 Pastoral Liturgy**

**THST 6076 The Theology of the Parish**

**THST 6077 Special Topics in Pastoral Theology**

**THST 6078 Supervised Pastoral Field Education**

**THST 6080 Comparative Theology**

**THST 6081 Comparative Religious Ethics**

**THST 6082 Comparative Mysticism**

**THST 6083 Hinduism, Vedanta, and Yoga**

**THST 6084 Buddhism**

**THST 6085 Classics of Chinese Philosophy**

**THST 6086 Readings in Religious Literature**

**THST 6087 Jainism**

**THST 6088 Judaism**

**THST 6090 Graduate Pro-Seminar**

**THST 6091 Pastoral Synthesis Seminar**

**THST 6092 Comprehensive Exam Seminar**

**THST 6093 Research and Writing Seminar**

**THST 6998 Special Studies**

**THST 6999 Independent Studies**

## **Theological Studies (THSZ)**

**THSZ 9000 Introduction to Biblical Theology and Interpretation**

**THSZ 9001 World Religions of Los Angeles**

**THSZ 9002 Missionary Disciples: Exploring the Catholic Pastoral-Theological Tradition**

**THSZ 9003 Ministry and Pastoral Leadership**

**THSZ 9004 Contemplatives in Action: Psychology, Spirituality, and Liberation**

**THSZ 9005 Topics in Theological Ethics**

**THSZ 9006 Major Theological and Religious Thinker**

**THSZ 9007 U.S. Latino/a Theology**

**THSZ 9008 Major Theological and Religious Theme**

**THSZ 9009 History of Christian Theology**

**THSZ 9010 Pastoral Intergration**

## **Urban Studies (URBN)**

**URBN 1000 The Urban World**

**URBN 1010 Introduction to Geographical Information Systems**

**URBN 1998 Special Studies**

**URBN 1999 Independent Studies**

**URBN 2998 Special Studies**

**URBN 2999 Independent Studies**

**URBN 3010 Metropolitan Los Angeles**

**URBN 3045 Urban Planning**

**URBN 3046 Sustainable Cities**

**URBN 3047 Community Development**

**URBN 3998 Special Studies**

**URBN 3999 Independent Studies**

**URBN 4000 Senior Project**

**URBN 4998 Special Studies**

**URBN 4999 Independent Studies**

## **Women's and Gender Studies (WGST)**

**WGST 1000 Gender and Social Movements**

**WGST 1100 Gender, Race, and Sexuality in Contemporary Society**

**WGST 1998 Special Studies**

**WGST 1999 Independent Studies**

**WGST 2000 Women in Global Communities**

**WGST 2200 Women's Bodies, Health, and Sexuality**

**WGST 2300 Mathematics: Contributions by Women**

**WGST 2998 Special Studies**

**WGST 2999 Independent Studies**

**WGST 3000 Feminist Theories**

**WGST 3100 Feminist Research Methods**

**WGST 3200 Gender, Race, and Environmental Justice**

**WGST 3300 Gender, Race, and the Graphic Novel**

**WGST 3301 Literature by Women of Color**

**WGST 3302 The Image of Woman in Nineteenth-Century England**

**WGST 3303 Twentieth-Century Women's Writing**

**WGST 3304 Italian Women Writers**

**WGST 3305 Angels and Demons: Women and Literary Stereotypes**

**WGST 3306 Out of Control: Women, Madness, and the Cultural Imagination**

**WGST 3307 Gender Communication**

**WGST 3308 Chicanas and Latinas in the U.S.**

**WGST 3400 Women in the Middle East**

**WGST 3401 Black Identities, Families, and Cultures**

**WGST 3403 Hip Hop Culture**

**WGST 3500 Genders and Sexualities**

**WGST 3501 Gender and Society**

**WGST 3502 Sociology of Marriage and Families**

**WGST 3503 Men and Masculinities**

**WGST 3600 History of Women in California**

**WGST 3601 Women in Christian History**

**WGST 3602 Gender in European History**

**WGST 3603 Women in American History**

**WGST 3605 History of Childhood and the Family**

**WGST 3700 Images of Women in Philosophy**

**WGST 3701 Guadalupe, Queen of the Américas**

**WGST 3702 Women and Religion**

**WGST 3703 Christian Marriage and Sexuality**

**WGST 3704 Sex and the City of God**

**WGST 3800 Gender and Urban Geographies**

**WGST 3998 Special Studies**

**WGST 3999 Independent Studies**

**WGST 4000 Feminist Political Theory**

**WGST 4001 Queer Theory**

**WGST 4100 Sex, Trade, Trafficking**

**WGST 4101 Queer Migration and Diaspora**

**WGST 4200 Sex, Race, and Violence**

**WGST 4300 Women in Film**

**WGST 4400 Women and Politics**

**WGST 4404 Latina Feminist Theory**

**WGST 4900 Senior Seminar in Women's and Gender Studies**

**WGST 4901 Service Learning in Women's and Gender Studies**

**WGST 4998 Special Studies**

**WGST 4999 Independent Studies**

## **Yoga Studies (YGST)**

**YGST 6005 Introduction to Sanskrit**

**YGST 6010 Health Science and Yoga I**

**YGST 6015 Foundations of Yoga Studies**

**YGST 6020 Yoga Philosophy: Text and Practice**

**YGST 6025 Sanskrit: The Yoga Sutra**

**YGST 6026 Sanskrit: The Bhagavad Gita**

**YGST 6030 Hatha Yoga Texts**

**YGST 6040 Buddhism and Yoga**

**YGST 6041 Jaina Yoga**

**YGST 6050 History of Modern Yoga**

**YGST 6060 Health Science and Yoga II**

**YGST 6070 Yoga Therapy Applications**

**YGST 6080 Yoga Therapy Practicum**

**YGST 6082 Comparative Mysticism**

**YGST 6096 Writing and Research Seminar**

**YGST 6998 Special Studies**

**YGST 6999 Independent Studies**

### **Other Courses**

**EDES 599 Independent Studies**

# University Core Curriculum

- Philosophy and Goals of the Core Curriculum
- Core Learning Outcomes
- Developmental Pattern of the Core
- Summary of the Area Requirements of the University Core Curriculum

## Philosophy and Goals of the Core Curriculum

The University Core reflects the values of its founding and partnering communities--the Society of Jesus (Jesuit), Religious of the Sacred Heart of Mary (Marymount), and the Sisters of St. Joseph of Orange (CSJ). Rooted in the traditional Jesuit emphasis on classics, philosophy, theology, the liberal arts, and faith that does justice, the Core also reflects the Marymount commitment to faith, culture, and the arts. Moreover, the CSJ work for unity and reconciliation pervades the Core's emphasis on integration. The Core encourages students to value learning, and to carry that love of learning into their future lives. Valuing learning has two key components: a distinctively Catholic, humanistic vision of intellectual inquiry as well as the cultivation of particular skills. Both are necessary for students to be thoughtful, critical, and engaged citizens of the world. The Core values and educates the whole person. The LMU University Core therefore emphasizes the formation of students as whole persons, integrated in thinking, feeling, and action. As such, the Core includes intellectual, creative/artistic, and moral development. The Core invites students to analyze their relationship with themselves, others, the world, and God. The Core serves faith by bringing students to a critical and appreciative understanding of religious traditions, and to see the search for God as intrinsic to the human condition. The Core recognizes LMU's special role in creating men and women who will be discerning and active members of diverse communities, local and global. The Core includes the study of ethical theories and moral development, in which students come to recognize the value of acting rightly and using knowledge mindfully in the promotion of justice.

## Core Learning Outcomes

**Through the LMU Core, students will know...**

- Ideas concerning the origins and nature of existence--e.g., various accounts of human existence; the existence of God.
- The dominant arguments concerning what is just.
- The prevalent methodologies and traditions for approaching human knowledge.
- Theories and models of the physical world.
- The formative influences, dynamics, social impacts, and ethical consequences of scientific and technological development.
- The historical processes that have produced the modern world.
- The intertwined development of western and other world cultures, ideas, institutions, and religions.
- The diversity of human experiences, identities, and interpretations of social life within societies.
- The critical role that power, race, ethnicity, class, religion, gender, and sexuality play in determining social relations.
- The modes of creative expression used to explore and shape culture.

**Through the LMU Core, students will be able to...**

- Engage fundamental questions of faith and justice analytically, critically, and creatively.
- Identify, reflect upon, integrate, and apply different arguments to form independent judgments.
- Collect, interpret, evaluate, and use evidence to make arguments and produce knowledge.
- Apply knowledge and tools from various disciplines in order to identify and address intellectual, ethical, and practical problems of relevance to the contemporary world.
- Communicate ideas and arguments through clear writing and speech.

- Use quantitative reasoning skills to make informed, analytical decisions.
- Identify information needs, locate and access information, and critically evaluate sources.
- Collaborate intellectually and creatively with diverse people.
- Engage in the creative process and think critically about that process, its products, and its cultural traditions.
- Use imagination and informed intuition to ask questions and solve problems.

**Through the LMU Core, students will value...**

- Spirituality and intellectually informed service to a local and global community.
- The experiences, cultures, and traditions of diverse peoples of the world.
- The role of continuing intellectual and creative experience and growth in leading a full life.
- Just and ethical behavior in pursuit of a more just world.
- Contemplation of questions of ultimate reality.

## Developmental Pattern of the Core

The Core moves from Foundations, to Explorations, to Integrations, carefully educating mindful women and men for others. **Foundations courses** introduce students to the intellectual life of LMU; guide them to confront important issues about values, faith, justice, race, gender, sexuality, and culture; and emphasize fundamental communication and reasoning skills. **Exploration courses** build on the skills and knowledge gained in the Foundations courses, refining them through the different disciplinary methods and perspectives of the humanities, arts, natural sciences, and social sciences. **Integrations courses** challenge students to take the skills and knowledge from the Foundations and Explorations courses, as well as their majors, and apply them to interdisciplinary consideration of thematic questions. In addition, **Flagged courses** in writing, oral skills, quantitative reasoning, information literacy, and engaged learning build on and reinforce the skills and critical thinking that students obtain in the Foundations courses.

## Summary of the Area Requirements of the University Core Curriculum

Students fulfill One Area Requirement per course. Courses in a student's major may also satisfy Core requirements, so the total number of courses required outside of a student's major will typically be fewer than 13 listed below. Flagged courses will typically be courses that also satisfy other Core or major requirements so they do not add to the total course requirements for most students.

### **Foundations (Years 1-2)**

**Students fulfill One Area Requirement per course in each of these Areas:**

First Year Seminar (Year 1)  
 Rhetorical Arts (Year 1)  
 Quantitative Reasoning  
 Theological Inquiry  
 Philosophical Inquiry  
 Studies in American Diversity

### **Explorations (Years 2-3)**

**Students fulfill One Area Requirement per course in each of these Areas:**

Creative Experience  
 Historical Analysis and Perspectives  
 Nature of Science, Technology, and Mathematics  
 Understanding Human Behavior

**Integrations (Years 3-4)**

**Students fulfill One Area Requirement per course in each of these Areas\*:**

Faith and Reason

Ethics and Justice

Interdisciplinary Connections

**Flagged Courses**

Writing	2 Flags
Oral Skills	1 Flag
Information Literacy	1 Flag
Quantitative Reasoning**	1 Flag**
Engaged Learning	1 Flag

\* Students enrolled in a Bachelor of Science in Engineering or Engineering Physics program are required to take only two Integrations courses: Faith and Reason and Ethics and Justice. For these students, there are a total of 12 required Areas.

\*\* The Quantitative Reasoning Flag is met by the curriculum of the majors in the Frank R. Seaver College of Science and Engineering.

The University Core Curriculum provides a common foundation for every undergraduate student at LMU. The power to develop additional core requirements will reside with Major and Minor programs rather than Colleges and Schools.

# Academic Awards and Commencement Honors

## Latin Honors

Honors at commencement are determined by the LMU cumulative grade point average at the time the degree is granted. Only honors earned by merit of academic performance at LMU will appear on the student's record. These honors are entered on the transcript and are inscribed on the diploma.

To be eligible for academic honors at commencement, an undergraduate student must have completed at least 60 semester hours toward the baccalaureate degree on a graded basis (Credit/No Credit courses are excluded) at LMU.

The following grade point averages are required for the honors indicated:

3.9	Summa Cum Laude
3.7	Magna Cum Laude
3.5	Cum Laude

Eligible students for honors at May commencement received a degree on the previous August 31 or December 31 degree date, or must be a degree candidate for honors in May. An indication of honors pending at graduation printed in the commencement program is unofficial. The final determination will be made after a review of all completed undergraduate courses counted toward the degree.

## University Academic Awards

For undergraduate students to be eligible for academic awards presented at the May Commencement ceremony, they must have either graduated in the previous Summer or Fall term or be a candidate for graduation for May.

### The University Scholar of the Year Award

Presented to the student who, in the four-year undergraduate program at LMU, is determined to have achieved the best overall academic record in the graduating class.

### The Ignatian Award

Awarded to the graduating senior man who has achieved well academically and who has distinguished himself in leadership and service to the student body and the University.

### The Marian Award

Awarded to the graduating senior woman who has achieved well academically and who has distinguished herself in leadership and service to the student body and the University.

### The Valedictorian Award

Presented to the student who, in the four-year undergraduate program, is chosen after a presentation to the Valedictorian Committee to give the Valedictorian Address at the Undergraduate Commencement Exercises.

## **Presidential Citations**

Presented to outstanding graduating seniors who have combined excellence in the classroom with effective service and leadership in the University community.

## **University Honor Societies**

Loyola Marymount University sponsors numerous honor societies to recognize significant academic achievement of its students.

### **Alpha Kappa Delta Sociology Society**

Established at LMU in 1997, Alpha Kappa Delta is an academic organization dedicated to the study of sociology, the research of social problems, and other social and intellectual activities. It promotes the development of scholastic and leadership skills within the framework of a national honor society and the Department of Sociology. It was founded in 1920 at the University of Southern California.

### **Alpha Sigma Nu Jesuit Honor Society**

Alpha Sigma Nu is a national honor society for men and women founded in 1915 at Marquette University. The society was organized to honor students from Jesuit colleges and universities who have distinguished themselves in scholarship, loyalty, and service to the University. A limited number of juniors and seniors is selected for membership each year. The society offers its services to the University, particularly in an effort to stimulate intellectual interest and accomplishment. It was established at LMU in 1939.

### **Beta Beta Beta Biology Society**

Since its inception at Oklahoma City University in 1922, Beta Beta Beta has been a society for students dedicated to improving the understanding and appreciation of biological study and extending boundaries of human knowledge through scientific research. The society has been at LMU since 1999.

### **Beta Gamma Sigma Business Society**

The establishment of the first national honor society for business students was the result of the 1913 merger of three separate societies from the University of Wisconsin, University of Illinois, and University of California. Beta Gamma Sigma is an international honor society recognizing the outstanding academic achievements of students enrolled in collegiate business and management programs. LMU's chapter started in 1982.

### **Eta Sigma Phi Classics Society**

Established at the University of Chicago in 1914, Eta Sigma Phi became recognized as a national honors society in 1924. The LMU chapter was established in 2007. Eta Sigma Phi is the national honorary collegiate society for students of Latin and/or

Greek intended to develop interest in classical study among the students of colleges and universities and promote closer relationships among students who are interested in classical study.

## **Gamma Kappa Alpha National Italian Honor Society**

Gamma Kappa Alpha acknowledges superior scholastic performance in the field of Italian language, literature, and culture, and is open to membership at institutions of higher learning in the United States and Canada. The Society encourages college students to acquire a greater interest in, and a deeper understanding of, Italian culture, art, and history. It was founded at Nazareth College in Rochester, NY, in 1983 and established at LMU in 1998.

## **Kappa Delta Pi International Honor Society in Education**

The Kappa Delta Pi International Honor Society in Education was founded in 1911 at the University of Illinois and established at LMU in 1996. It is dedicated to recognizing scholarship and excellence in education, promoting development and dissemination of worthy educational ideas and practices, and enhancing the continuous growth and leadership of its diverse membership.

## **Lambda Pi Eta Communication Studies Society**

Founded at the University of Arkansas in 1985, this society later became the official honor society of the National Communication Association. Taking its name from the three elements of persuasion as described in Aristotle's Rhetoric, it functions to foster development among students and professionals in the field.

## **Omicron Delta Epsilon Economics Society**

Omicron Delta Epsilon is an international honor society for economics that was created in 1963 through the merger of two honor societies, Omicron Delta Gamma and Omicron Chi Epsilon. The LMU chapter was established in 1990. This society recognizes scholastic attainment and honor outstanding achievements in economics and intends to establish of closer ties between students and faculty in economics within colleges and universities.

## **Phi Alpha Theta History Society**

Established at the University of Arkansas in 1921, Phi Alpha Theta is a professional society whose mission is to promote the study of history through the encouragement of research, teaching, publication, and the exchange of learning and ideas among historians. The LMU chapter started in 1968.

## **Phi Sigma Tau Philosophy Society**

The purpose of Phi Sigma Tau is to serve as a means of awarding distinction to students having high scholarship and personal interest in philosophy and to promote student interest in research and advanced study in this field. It was founded at Muhlenberg College in 1930, incorporated in 1955, and became active at LMU in 1987.

## **Pi Delta Phi French Honor Society**

This society was established in 1906 at the University of California at Berkeley, with the goals of recognizing outstanding scholarship in French language and literature and increasing knowledge of the contribution of French-speaking countries to world culture. LMU's chapter began in 1969.

## **Pi Mu Epsilon Mathematics Society**

Pi Mu Epsilon is an honorary national mathematics society founded at Syracuse University in 1914, with the purpose of promoting scholarly activity in mathematics among the students in academic institutions. The society was established at LMU in 1975.

## **Pi Sigma Alpha National Political Science Honor Society**

Pi Sigma Alpha was founded in 1920 at the University of Texas at Austin. Its goal is to stimulate scholarship and intelligent interest in the field of political science. LMU's chapter was established in 1998.

## **Psi Chi Psychology Society**

Psi Chi Psychology Society was established in 1929 at Yale for the purposes of encouraging, stimulating, and maintaining excellence in scholarship and advancing the science of psychology. LMU started a chapter of the society in 1979.

## **Sigma Delta Pi Hispanic Society**

Sigma Delta Pi, the National Collegiate Hispanic Honor Society, was established in 1919 at the University of California at Berkeley. Its goals include honoring those who attain excellence in the study of the Spanish language and encouraging university students to acquire a greater interest in and a deeper understanding of Hispanic culture. LMU's chapter became active in 1972.

## **Sigma Pi Sigma National Physics Honor Society**

Founded at Davidson College, North Carolina, in 1921, Sigma Pi Sigma exists to honor outstanding scholarship in physics, to encourage interest in physics among students at all levels, to promote an attitude of service of its members towards their fellow students and colleagues and to the public, and to provide a fellowship of persons who have excelled in physics. The society was established at LMU in 1979.

## **Sigma Tau Delta English Society**

Founded at Dakota Wesleyan College in 1924 and established at LMU in 1994, Sigma Tau Delta members are expected to have superior creative talent and to have an interest in literature and language beyond the classroom. They are dedicated to providing cultural and intellectual enlightenment in a community of others who have similar talents and interests.

## **Sigma Xi Scientific Research Society**

At LMU since 1967, Sigma Xi endeavors to encourage support of academic achievement and original work in science and technology and to promote an appreciation within society at large for the role research has played in human progress. Founded at Cornell University in 1886, it is among the oldest such societies in the nation.

## **Tau Beta Pi Engineering Society**

This national engineering honor society was founded at Lehigh University in 1885 to honor students displaying excellence in scholarship and exemplary character as undergraduates in engineering and to foster a spirit of liberal culture in engineering colleges. The LMU chapter was established in 1974.

## **Theta Alpha Kappa Religious Studies Society**

Founded in 1976 at Manhattan College, Theta Alpha Kappa is the only national honor society recognizing excellence of students involved in the study of religion and theology. The society was established at LMU in 1981.

## **College, School, Departmental, and Program Awards**

### **The College or School Scholar Awards**

Presented to the top graduating senior who has achieved the highest academic record in the Bellarmine College of Liberal Arts (The Erlandson Award), the College of Business Administration, the College of Communication and Fine Arts, the Frank R. Seaver College of Science and Engineering, the School of Education, and the School of Film and Television.

### **The Clinton J. Albertson, S.J., University Honors Program Award**

Presented to an outstanding graduating student in the University Honors Program.

### **The American Chemical Society Analytical Division Award**

Given to the third-year student who has demonstrated excellence in analytical chemistry and displays an aptitude for a career in the field.

### **The American Chemical Society Organic Division Award**

Given to the outstanding student of two semesters of organic chemistry.

### **The American Institute of Chemists Award (Biochemistry and Chemistry)**

The gift of the Western Chapter of the American Institute of Chemists presented to the graduating senior who, in the opinion of the faculty of the Department of Chemistry, is deserving of special recognition for leadership, character, and excellence in scholarship.

## **The Samuel Z. Arkoff Awards**

The gift of Samuel Z. Arkoff, awarded annually in two categories of achievement: best film and best full-length film script by a graduate student.

## **Awards for Academic Excellence in History**

These awards are given to top graduating History seniors, as nominated by department faculty, for distinguished academic achievement in the field of History.

## **The Virginia Barnelle Theatre Arts Award**

Given to a continuing senior who has demonstrated superior academic achievement, outstanding service to the program and University at large, and in recognition of excellence in the field of Theatre Arts.

## **The Leonard Simon Blenkiron English Award**

The gift of Mrs. Mae Emma Blenkiron, in memory of her husband, Leonard Simon Blenkiron, awarded to a senior English major for excellence in English.

## **The Sister Regina Buchholz, S.C.R.H., Art and Art History Award**

Presented in honor of Sister Regina Buchholz, S.C.R.H., former Professor of Art, by the Department of Art and Art History, to a senior Studio Arts major in recognition of excellence in the field of art and of service to the University.

## **Sr. Martin Byrne Award in Business Administration**

## **The Caloyeras Center Summer Scholarship**

This all-expenses-paid summer scholarship to study in Greece is awarded to a student in the Modern Greek Studies Program who has demonstrated superior academic achievement.

## **The Peter B. Caloyeras Scholarships**

The Basil P. Caloyeras Center offers five annual scholarships for the Odyssey Summer Study in Greece Program. The scholarships are a gift to LMU by Basil P. Caloyeras in memory of his father, Peter, and are awarded based on academic excellence and financial need.

## **The Stanley Chan Political Science Award**

Given to the outstanding graduate of the Political Science Department who demonstrates superior academic achievement, outstanding service to the University, and commitment to Judeo-Christian values.

## **The CRC Press First-Year Chemistry Award**

Given to the outstanding student of two semesters of first-year general chemistry.

## **The Delta Sigma Pi Scholarship Key**

The gift of the local chapter of Delta Sigma Pi to a business student for academic excellence and leadership potential.

## **The Dockweiler Gold Medal for History**

The gift of Mrs. Henry I. Dockweiler awarded annually to the graduating senior who has achieved general excellence in the field of history and in service to the University.

## **The Jerome K. Doolan Endowed Engineering Award**

The gift of Mr. and Mrs. Jerome K. Doolan, awarded to the graduating senior engineer, who, by reasons of his or her scholarship, participation in student activities, and promise of future success in his chosen profession, shall have been judged deserving of special recognition.

## **The Financial Executives Medallion Awards**

Presented by the Financial Executives Institute, recognizing the top student in the field of finance for the four years of study.

## **The Finnegan-Reiland Education Award**

Named in honor of two former professors of the School of Education, the award recognizes distinction in student teaching, superior scholastic achievement, and service to others.

## **Garvin Marketing Scholarship**

Presented to the graduating senior who has achieved academic excellence, exhibited strong leadership, and provided dedicated service to the Marketing and Business Law Department.

## **The St. Genisius Theatre Arts Performance Award**

Given to a graduating senior who has demonstrated outstanding achievement in theatre arts performance exemplifying the University ideals of faith, action, and the education of the whole person.

## **The Graham Alumni Award**

## **The Barbara and Hugh Gray Award for Greek Studies**

Presented by the Basil P. Caloyeras Center for Modern Greek Studies to the author of the best paper on Modern Greek Studies.

## **Greek Scholar of the Year**

## **History Department Chair's Award for Non-Majors**

Awarded to a graduating non-History major who has performed outstanding service to the Department of History.

## **The Carl G. Kadner Biology Award**

Presented to the graduating senior who has achieved academic excellence, exhibited strong leadership, and provided dedicated service to the Biology Department.

## **Kalbfleisch Award in Physics**

The George R. Kalbfleisch Endowed Award in Physics is presented to the top graduating senior in honor of their exceptional academic achievement in the program.

## **The Jerome J. Korth Award**

Presented to the graduating senior in the Frank R. Seaver College of Science and Engineering with the highest grade point average in the University's core curriculum.

## **The Marketing Student Award**

Presented by the Loyola Marymount Collegiate Chapter of the American Marketing Association to the senior with outstanding participation, academic achievement, and career potential in marketing.

## **The Marie Anne Mayeski Award in Theological Studies**

Given to a graduating senior in Theological Studies who exemplifies the love of learning and the desire for God, and who has integrated theology into his or her life through research and writing, service, the promotion of justice, and leadership.

## **Noyce Scholars**

Awarded to STEM majors selected to participate in the Noyce program which provides the skills and support they need to become effective Math and Science teachers in K-12 schools.

## **The John O'Neill, S.J., Department of Classics and Archaeology Award**

Presented to the graduating senior who has demonstrated the highest degree of academic achievement, based on GPA and the rigor of his/her individual program.

## **Dr. Thomas D. Pitts Biology Award**

A gift of the alumni, honoring Dr. Thomas D. Pitts, Professor of Biology from 1948-1974, to a graduating senior in the Department of Biology who has shown a growth to academic excellence and provided service to the University.

## **Fr. Richard Rolfs, S.J., Award**

This award is given to an outstanding History major who embodies Fr. Rolfs' commitment to excellence both in the classroom and our LMU community.

## **Paul Salamunovich Choral Excellence Award**

Presented to a graduating senior from the LMU choruses who, during his or her tenure in the choruses, has exhibited musical leadership and exemplary dedication to the choral art.

## **The Alan Seydoux Memorial Biology Award**

Given to a graduating senior who has achieved excellence in the area of field or marine biology and who has provided service to the University.

## **Richard Trame, S.J., Music Award**

Presented to the outstanding senior woman and man graduating from the Department of Music for outstanding musical, academic, and professional development and contribution.

## **The Mary Tsassis European History Award**

Presented by the Basil P. Caloyeras Center for Modern Greek Studies to the graduating senior who has demonstrated excellence in European history.

## **Anthony F. Turhollow Award for Distinguished Leadership**

Awarded to the graduating senior who has performed outstanding service to the Department of History.

## **The Wall Street Journal Student Achievement Economics Awards**

The gift of Dow Jones & Company, publishers of the *Wall Street Journal*, to be given to the senior who ranks highest in finance and in economics.

## **Special Awards**

### **The AFROTC Award**

The gift of the President of Loyola Marymount University to the graduating senior in the Air Force ROTC who exemplifies the high ideals of the University through leadership and service to AFROTC, the school, and the community.

### **Eugene Escallier Foreign Study Scholarship Award**

An endowed gift of Lucien Escallier to a full-time junior or senior student for educational enrichment through travel and foreign study within the area where western culture was born.

### **Rev. James N. Loughran, S.J., Award for Community Service**

Presented to the outstanding graduating senior in good academic standing who, through his/her leadership, activities, and involvement with the community beyond the campus and throughout his or her years at Loyola Marymount University, has improved relations between the community and the University and has created a positive view of Loyola Marymount University. The recipient has exemplified Jesuit and Marymount ideals of hard work and generosity, has had a significant impact in off-campus service, and has given promise of selfless and effective leadership in the years ahead.

### **Sr. Raymunde McKay, R.S.H.M., Service and Leadership Award for Seniors**

Presented to graduating seniors in good academic standing who, during their years at Loyola Marymount, have excelled as leaders and servants. The recipients of the McKay Award have: been instrumental in initiating change; taken on leadership roles that have motivated their peers to challenge themselves and others; enriched the quality of University life by building school spirit and by creating a positive and respectful community; and given selflessly of their time and energy in an attempt to make the world--that of the University, local community, and nation--a better place.

# University Honors Program

## University Honors Program

*All University Colleges*

### Director

Trevor Zink

### Associate Director

John David N. Dionisio

### Interim Faculty Advisor

Andrew Dilts

### Senior Program Coordinator

Nubia Valenzuela

### Objectives

The University Honors Program at Loyola Marymount University seeks to offer academically outstanding students with intellectually creative, rigorous courses that promote a life-long love of learning and the intellectual habits required to serve others. The sequence of courses culminates in a Senior Thesis project (either HNRS 4100 or a Senior Thesis/Project completed through a course in their major), prepared under the guidance of a faculty mentor. Honors students are strongly encouraged to present their work either at the LMU Undergraduate Research Symposium or at national conferences in their discipline. Selected students will have the opportunity to attend and present work at the annual conferences for the National Collegiate Honors Council (NCHC) and the Association of Jesuit Colleges and Universities (AJCU).

For more on the program, including how to apply, please consult the description of the University Honors Program in the Academic Programs and Services section of the Bulletin, or look at the program's website at <http://academics.lmu.edu/honors>.

### Honors Program

## University Honors Program

### Program Requirements

Students in the University Honors Program replace the University Core with the University Honors Core. Where sections are designated as "Honors" (indicated also with an asterisk), Honors students must enroll in courses with HNRS course numbers.

## For Students from All Colleges EXCEPT Frank R. Seaver College of Science and Engineering

### Foundations (Years 1-2)

\* Honors Colloquium: Introduction to Honors (1 semester hour)

First Year Seminar (must enroll in a section restricted to Honors)

\* Honors Philosophical Inquiry

\* Honors Theological inquiry

Studies in American Diversity (taken from the University Core)

University Honors students must demonstrate proficiency in a second language. This requirement is met through coursework at the intermediate level of a second language (e.g., completion of 2102 level courses in the Modern Languages, or their equivalent as determined by the Office of the Registrar), placement into 2103 (or higher) level language courses as determined by LMU's language placement examination, AP credits toward language courses as determined by the Office of the Registrar, or by alternative examination approved by the Program Director. International students fulfill this requirement by TOEFL proficiency in English as a Second Language.

### Explorations (Years 2-3)

\* Honors Colloquium: Research and Exhibition (1 semester hour)

\* Honors Literary Analysis

\* Honors Historical Analysis

\* Honors Nature of Science, Technology, and Mathematics

Creative Experience (taken from the University Core)

Understanding Human Behavior (taken from the University Core)

\*\* A minor or major can be used to replace **one Honors Core course at the Explorations level**, including a course that has an Honors-only designation, **if** the Honors course cannot be used to fulfill any minor/major requirements. **Students must consult with the Honors Advisor or Honors Director to determine if they qualify for this replacement.**

\*\*\* In lieu of requiring Honors students to complete an Honors Nature of Science, Technology, and Mathematics, students may fulfill the HNRS NSTM requirement in the general LMU Core by taking a course outside of Honors that has the NSTM designation. In accordance with the AP policy described below, Honors students cannot use AP credit to substitute for HNRS NSTM. **Students must consult with the Honors Advisor or Honors Director to determine if they qualify for this replacement.**

### Integrations (Years 3-4)

\* Honors Colloquium: Post-Baccalaureate Success Seminar (1 semester hour)

\* Honors Ethics and Justice

Faith and Reason (taken from the University Core)

\* Honors Thesis (or thesis/capstone project developed through a capstone course in the major). Note that a capstone *course* in the major will not satisfy the thesis requirement unless it culminates in a thesis or project. Students fulfilling the thesis requirement through a course in the major must obtain prior approval from the Honors Director or Associate Director.

\* Honors Portfolio and Assessment (0 semester hours)

## For Students from Frank R. Seaver College of Science and Engineering

### Foundations (Years 1-2)

\* Honors Colloquium: Introduction to Honors (1 semester hour)

First Year Seminar (must enroll in a section restricted to Honors)

\* Honors Philosophical Inquiry

\* Honors Theological inquiry

Studies in American Diversity (taken from the University Core)

University Honors students must demonstrate proficiency in a second language. This requirement is met through coursework at the intermediate level of a second language (e.g., completion of 2102 level courses in the Modern Languages), or their equivalent as determined by the Office of the Registrar, placement into 2103 (or higher) level language courses as determined by LMU's language placement examination, AP credits toward language courses as determined by the Office of the Registrar, or by alternative examination approved by the Program Director. International students fulfill this requirement by TOEFL proficiency in English as a Second Language.

### Explorations (Years 2-3)

\* Honors Colloquium: Research and Exhibition (1 semester hour)

\* Honors Literary Analysis

\* Honors Historical Analysis

### Integrations (Years 3-4)

\* Honors Colloquium: Post-Baccalaureate Success Seminar (1 semester hour)

\* Honors Ethics and Justice

Faith and Reason (taken from the University Core)

\* Honors Thesis (or thesis/capstone project developed through a capstone course in the major). Note that a capstone *course* in the major will not satisfy the thesis requirement unless it culminates in a thesis or project. Students fulfilling the thesis requirement through a course in the major must obtain prior approval from the Honors Director or Associate Director.

\* Honors Portfolio and Assessment (0 semester hours)

## AP and IB Equivalencies

The University Honors Program offers HNRS credit for AP and IB tests in the appropriate areas in accordance to LMU's AP and IB equivalencies. However, Honors sections of courses--specifically Honors Literary Analysis; Honors Historical Analysis; and Honors Nature of Science, Technology, and Mathematics--may not be satisfied through AP credit. AP credit in a foreign language may be used to fulfill the Honors language requirement.

## Liberal Studies Students

Students who are working toward elementary education credentials need to meet with the Honors Director to determine the best coursework path. Decisions about courses will be made in consultation with the Center for Undergraduate Teacher Preparation.

## Additional Notes

The University Honors Program does not require flags or courses in Rhetorical Arts, Quantitative Reasoning, and Interdisciplinary Connections.

### **HNRS 1000 Honors Colloquium: Introduction to Honors**

### **HNRS 1100 Honors Philosophical Inquiry**

### **HNRS 1110 On Human Dignity**

### **HNRS 1200 Honors Theological Inquiry**

### **HNRS 1810 On the Sublime**

### **HNRS 1998 Special Studies**

### **HNRS 1999 Independent Studies**

### **HNRS 2000 Honors Colloquium: Research and Exhibition**

### **HNRS 2100 Honors Historical Analysis and Perspectives**

### **HNRS 2110 Republic to Prince**

### **HNRS 2120 Age of Leviathan**

### **HNRS 2200 Honors Nature of Science, Technology, and Mathematics**

### **HNRS 2210 On Motion and Mechanics**

### **HNRS 2220 On the Nature of Things**

### **HNRS 2300 Honors Literary Analysis**

**HNRS 2998 Special Studies**

**HNRS 2999 Independent Studies**

**HNRS 3000 Honors Colloquium: Post-Baccalaureate Success**

**HNRS 3100 Honors Ethics and Justice**

**HNRS 3110 Beyond Good and Evil**

**HNRS 3998 Special Studies**

**HNRS 3999 Independent Studies**

**HNRS 4000 Honors Colloquium: Portfolio**

**HNRS 4100 Honors Thesis**

**HNRS 4998 Special Studies**

**HNRS 4999 Independent Studies**

# LMU College of Business Administration

## LMU College of Business Administration

### Administration

Dean: Dayle M. Smith

Associate Deans: Lawrence Kalbers (Faculty and Academic Initiatives)

Assistant Dean: Joseph Andriano (Student Engagement)

Directors: Yongsun Paik (Center for Asian Business and Center for International Business Education); David Choi (Fred Kiesner Center for Entrepreneurship); Dustin Cornwell (Senior Director, MBA and M.S. Programs), Joseph Shannon-O'Hannigan (Senior Director, EMBA Program and Executive Education), Jeff Thies (Institute for Business Ethics and Sustainability), Nola Wanta (Senior Director, Business Development and Strategy)

### Organization

The College is organized into five Departments, each led by a chairperson.

- Department of Accounting
- Department of Finance
- Department of Information Systems and Business Analytics
- Department of Management
- Department of Marketing and Business Law

The College also operates four centers, each led by a director.

- Center for Asian Business
- Center for International Business Education
- Fred Kiesner Center for Entrepreneurship (related courses offered through the Departments)
- Institute for Business Ethics and Sustainability

### Graduate Degree Programs

The College offers the Master of Business Administration in different formats. The part-time MBA addresses the educational demands of a person who recognizes the need to continue to build his or her career.

The Executive MBA (EMBA) is for the experienced business leader who aspires to executive-level responsibility.

The College also offers a Master of Science in Accounting, a Master of Science in Business Analytics, and a Master of Science in Management.

### Baccalaureate Degree Programs

The College offers three Baccalaureate Degrees:

A bachelor of Business Administration (B.B.A.) with majors in Entrepreneurship, Finance, Information Systems and Business Analytics, Management and Leadership, and Marketing; a Bachelor of Science (B.S.) with a major in Information Systems and Business Analytics; and a Bachelor of Science in Accounting (B.S.A.).

## **Mission of the College of Business Administration**

We advance knowledge and develop business leaders with moral courage and creative confidence to be a force for good in the global community.

## **Core Values of the College of Business Administration**

Our values define us and enhance an understanding of our mission and vision and the integration of human flourishing in the development of our personal and professional growth. The following five values reflect our core identity and serve as a guide and touchstone for our programs and relationships.

### **Business as a Force for Good**

We dedicate ourselves to developing ethical leaders who visibly demonstrate moral courage in their personal and professional endeavors. Ethical citizenship encompasses principled behavior and the tenets of corporate social responsibility, including attention to economic, social, and environmental performance. We are committed to business as a force for good, where business has a voice at the table and a key role in collaborating on sustainable development goals for the betterment of the global community.

### **Interconnected Global Community**

We embrace multiple disciplines and community connectedness to inform problems and address challenges in a global context. We value experiential opportunities, collaboration, and partnerships. As a signatory to the United Nation's PRME initiative, we are committed to understanding the role of business as a partner in the global community through the Sustainable Development Goals (SDGs).

### **A Community of Lifelong Learners**

We perceive ourselves—students, faculty, staff, administrators, and stakeholders—as a community of interdependent teachers and learners in the Jesuit and Marymount traditions. As co-creators of knowledge, we envision business as a force for good, best addressed with empathy and an entrepreneurial mindset, skill set, and experiences. As a global community, we will develop a playground for the mind and a place to inspire the imagination that will promote human flourishing and innovative solutions to business and societal challenges.

We are also committed to our alumni as lifetime learners and lifetime members of the CBA Community.

### **Educating the Whole Person and Moral Courage**

Consistent with the education of the whole person, we view each individual as important and worthy of our time and resources. As an institution of higher education, we strive to advance the intellectual growth of our students and related community members. As an institution rooted in the Jesuit and Marymount traditions, we aspire to develop all dimensions of the person—emotional, spiritual, physical, and social—through our educational framework as a way to promote human flourishing at the personal and professional levels.

### **Agility, Creative Confidence, and Entrepreneurial Spirit**

We are committed to educating our students to use their imagination and intellectual curiosity in how they understand business challenges, solve problems in transdisciplinary ways, and adapt to change in a constantly changing world. Using knowledge,

skills, abilities, and meaningful experiences, our students will develop and enhance their technical skills, critical thinking, and communication and interpersonal skills to positively transform organizations and societies.

# College of Business Administration Undergraduate Curriculum

The courses within the three undergraduate degree programs (Bachelor of Business Administration, Bachelor of Science, and Bachelor of Science in Accounting) are categorized in five groups:

<b>B.B.A.</b>		<b>Semester Hours</b>
A.	University Core Curriculum	31 (minimum)
B.	Pre-Business Requirements	14
C.	Business Core	44
D.	Major Requirements	20
E.	Electives	22 (approximately)
<b>Total:</b>		<b>Minimum=128</b>

## **B.S. (ISBA Major) (see Department)**

<b>B.S. in Accounting</b>		<b>Semester Hours</b>
A.	University Core Curriculum	31 (minimum)
B.	Pre-Business Requirements	11
C.	Accounting Major Specific Core	36
D.	Major Requirements	40
E.	Electives	10 (approximately)
<b>Total</b>		<b>Minimum=128</b>

### **Special Note:**

The purpose of the above listing is simply to indicate the overall structure of the three programs in business. The order in which the courses must be taken is governed in all cases by the contribution of each course to the overall system. The *suggested* sequence of courses is shown in the following curriculum sections of this Bulletin.

**All Business students must earn a grade of C (2.0) or higher in the following courses: BCOR 2110, BCOR 2120; ECON 1050, ECON 2300; and MATH 112, as these are prerequisites for other required business classes. Failure to earn a C in one of courses will prevent the student from taking those other required courses until the course has been repeated and an acceptable grade earned. If not done immediately, this can delay progress toward graduation.**

**Courses may be repeated once without penalty. If a student still has not passed the course, permission must be given by the Associate Dean to take a course for the third time. If a student has not received a passing grade in a required course after have taking it three times, the student will be asked to transfer into a different College. A student may drop a course within the add/drop period without penalty, but a grade of "W" will count toward the total number of times that a student may take the course.**

## **Total Program**

All degree programs require a **minimum** of 128 semester hours for graduation. A **minimum** of 45 semester hours must be from upper division course offerings. Please note that completion of a program may require more than 128 semester hours, depending upon the specific curriculum followed by the individual student. **A student who has completed 128 semester hours, but who has not met all of the specific requirements of the program(s) in which s/he is enrolled, is not eligible for graduation.**

**Please be aware that some LMU courses may ONLY be taken at LMU. That includes certain University Core courses, some Business Core courses, and some courses in certain majors.**

In addition, please note that the University's Residency requirement states that 30 of the final 36 credits must be taken at LMU. Generally, this means that a student may not take more than one or two more courses at an outside institution during the summer preceding or after the final year of that student's program at LMU toward the degree. Exceptions are made for those whose Study Abroad programs overlap those final 36 credits.

## **Transfer Credit**

The College can accept only those business and pre-business courses which are reasonably equivalent and at the same level of instruction as courses offered by Loyola Marymount University. Lower division courses in business and economics that may be accepted in transfer include the equivalents of the following Loyola Marymount University courses:

- BCOR 2110 Financial Accounting
- BCOR 2120 Accounting Information for Decision Making
- BCOR 2210 Legal Environment of Business
- BCOR 2710 Business Information Technology
- ECON 1050 Introductory Economics
- ECON 2300 Introductory Statistics

The following policies apply to all work transferred to the College of Business Administration at Loyola Marymount University, whether from a two-year or a four-year school:

- Students must obtain Transfer Course Approval *prior* to registration at other institutions.
- Students may not enroll in classes, whether in person or online, offered at other institutions while enrolled at LMU.
- A course that Loyola Marymount University offers at the junior or senior level (courses numbered 3000 or above), but was taken by a transfer student at the sophomore level at another school, cannot be accepted for credit. Such courses can be recognized only if a challenge exam is available and the student takes such an exam after admission to the College.
- All transfer courses must be taken for a letter grade, and the student must receive a grade of C (2.0) or higher.
- Upper division business courses may only be transferred from a four-year, AACSB-accredited institution.
- Upper division Accounting classes may not be transferred to LMU.

## **Current LMU Students Interested in Transferring to the College of Business Administration or Adding a Business Major**

A change of major into any of the majors in the College of Business Administration requires an application process and acceptance into the major. Students who are undeclared or who are currently enrolled in another undergraduate major at LMU, but are interested in changing to one of the majors offered by the College of Business Administration are encouraged to apply during their first year at LMU. Students may apply to the College as sophomores, but should realize that this could delay the completion of their degrees beyond the normal four years. Students are asked to demonstrate their interest and aptitude in Business Administration by completing MATH 112 or an equivalent course in Calculus with a minimum grade of B (3.0) and ECON 1050, or equivalent courses in both Macroeconomics and Microeconomics, with a minimum grade of B- (2.7). In addition, applicants must have a minimum cumulative GPA of 3.2 to be considered. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request; if there are a large number of requests, the application process may be competitive.

Applications are no longer required for admission to the College. Students may request admission by contacting the Associate Dean's Office. If all requirements have been met, the student will be asked to complete a Change of Program form and given permission to register for the following semester in the new major.

## External Transfer Student Policy

Students interested in transferring to the LMU College of Business Administration from another college or university must complete a course in calculus with a minimum grade of B (3.0) and have a cumulative GPA of B (3.0).

## Majors within the College of Business Administration

The College offers six functional majors at the Undergraduate level:

Accounting  
Entrepreneurship  
Finance  
Information Systems and Business Analytics  
Management and Leadership  
Marketing

Of particular interest to those Accounting students attempting to complete the 150 hours of coursework required for the CPA, it is possible to earn a B.S. in Accounting, or the B.S. in Information Systems and Business Analytics, in conjunction with a B.B.A. in one of the other business majors (Accounting and Finance is probably the most popular of these) by completing an additional 30 credits beyond those required by the first degree. This is considered a dual degree, not a double major.

The CBA also offers an Undeclared Business major to first- and second-year students at LMU. The Undeclared major is NOT a full major, and no degree is offered in Undeclared Business. Therefore, all students MUST switch from Undeclared Business into one of the functional majors prior to completing 64 credits of college-level work.

**Double Business Majors:** Students beginning at LMU in Fall 2019 and beyond have the option of declaring double majors within the CBA. University policy states that in order to earn a degree with a double major, students must complete all of the requirements of each major, and that "double-counting" of courses is not permitted except where the same specific course is required by both majors (e.g., for a student wishing to major in ENTR and MRKT, both majors require that the student take BCOR 3610, and the student will not need to take it twice; however, there are electives which are cross-listed between ENTR and MRKT, and those courses may only count toward one, not both, of the majors). In general, completing a double major will involve the completion of about five additional courses, or 20 credits, beyond the first major; however, there are a few majors for which there is less overlap or more specific requirements (the BSA in Accounting and BS in AIMS, for example), which will require more coursework.

Students planning to complete a double major should declare it and begin coursework on the second major when they have at least three full semesters remaining before their planned graduation date. Each major has a sequenced curriculum which assumes

a minimum of three semesters of enrollment, and a "major" assumes that you spent a good portion of your college education, and not just a single semester, studying that subject matter. A student declaring a second major within CBA will be assigned a secondary faculty advisor for the second major once the student completes the number of credits at which faculty advisors are assigned.

It should be noted that students completing a double major will see the following wording on their diplomas: "A major in (first major), with a second major in (second major)."

## Minors within the College of Business Administration

### Business Administration Minor

Eligibility: *The Business Administration Minor is designed for and offered to students with non-business majors only.* The requirements for the Minor in Business Administration are the following:

The student must complete a minimum of 18 semester hours in Business courses, including:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- 3 Upper Division Business Courses *12 semester hours*

**Total: 18 semester hours**

Courses counting toward the Business Minor may not be taken outside of LMU. A single exception may be made for Study Abroad courses.

Due to high demand, students must apply to, and be accepted into, the Business Administration Minor. Applications will be available online during the first six weeks of each semester, for admission to the Minor during the following semester.

Prerequisites for admission to the minor shall be completion of Math 112, 120, 122, or 131 with a grade of C (2.0) or higher, or a Dean's exception. Students must complete BCOR 1910 and ACCT 2110 with a grade of C (2.0) or higher before they will be allowed to enroll in any elective classes for the minor. Students must have a cumulative GPA for all minor courses of a 2.5 or higher. We will no longer require an assessment test on the foundational courses, as those courses are no longer taught. Once the minor requirements have been met, students will not be permitted to take any more classes in the CBA without the approval of the Assistant Dean for Student Engagement.

Structure: A minimum cumulative GPA of 2.5 is required in the minor for graduation.

Students are advised to apply to the minor during the sophomore or junior year in order to complete all coursework (some of which is sequential) by graduation. Students planning to study abroad may be deferred for a semester, but will need to plan accordingly.

### Accounting Minor

Eligibility: The Accounting Minor is open to **Business Administration majors ONLY**. The requirements for the Accounting Minor are the following: BCOR 2110, BCOR 2120, and at least three of the following courses: ACCT 3110, ACCT 3120, ACCT 3130, ACCT 3140, and ACCT 4120. All upper division Accounting courses must be taken in residence at LMU. A minimum cumulative GPA of 2.5 must be earned in the Minor area.

### Beta Gamma Sigma Honor Society

Beta Gamma Sigma is the honor society for students enrolled in business and management programs accredited by AACSB International-the Association to Advance Collegiate Schools of Business. Election to lifetime membership in Beta Gamma Sigma is the highest honor a business student can achieve. Juniors and seniors in the top 10% and MBA students in the top 20% of their class by GPA may be invited to membership, and membership is by invitation only. Beta Gamma Sigma membership provides recognition for a lifetime. With alumni chapters in major metropolitan areas across the United States, the BGS Career Central job board and the BetaLink online membership community, those recognized for their academic achievements at Loyola Marymount University can continue an active relationship with Beta Gamma Sigma long after graduation. This lifelong commitment to its members' academic and professional success is defined in the Society's mission: to encourage and honor academic achievement in the study of business and personal and professional excellence in the practice of business.

## **Accounting**

### **Faculty**

Chairperson: Laurel Franzen

Professors: Lawrence Kalbers (R. Chad Dreier Chair in Accounting Ethics), Mahmoud M. Nourayi

Associate Professors: Laurel Franzen, Timothy Haight, Rosemary Kim (Paul A. Grosch Professor)

Assistant Professors: Tyler DeGroot, Zining Li, James Plečnik, Shan Wang

Clinical Associate Professor: Nancy Coster

Clinical Assistant Professors: Anthony Menendez, Richard Minot, Terry Wang

### **Bachelors**

#### **Accounting, B.S.A.**

##### **Objectives**

The Bachelor of Science in Accounting degree program is designed to prepare ethical leaders for the accounting profession. The accounting curriculum will prepare students for a career in public, corporate, and governmental accounting. Students will learn the basic definitions, concepts, and techniques of accounting, as well as the role accounting plays in society.

##### **Goal**

Students are expected to be able to describe, apply, and evaluate accounting concepts and standards at a professional level.

##### **Learning Outcomes**

- Students will be able to prepare and analyze financial statements
- Students will be able to identify relevant authoritative guidance to apply appropriate professional judgments

- Students will be able to integrate financial accounting reporting with managerial accounting methods to produce data for use in real-world business decisions
- Students will be able to explain, apply, and evaluate relevant topics related to federal income tax
- Students will be able to explain and apply an ethical conceptual framework to address real-world ethical problems.

## Major Requirements

### Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750)
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860)
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970)

### Upper Division Major Requirements

- ACCT 3110 Intermediate Accounting I *4 semester hours*
- ACCT 3120 Intermediate Accounting II *4 semester hours*
- ACCT 3130 Cost Management *4 semester hours*
- ACCT 3140 Accounting Information Systems *4 semester hours*
- ACCT 4110 Advanced Accounting *4 semester hours*
- ACCT 4120 Federal Income Taxation *4 semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest *4 semester hours*
- ACCT 4160 Auditing *4 semester hours*

### Note:

All upper division accounting courses must be taken in residence at LMU. A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

### Core, Major, and Elective Accounting Courses:

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*

- ACCT 3110 Intermediate Accounting I *4 semester hours*
- ACCT 3120 Intermediate Accounting II *4 semester hours*
- ACCT 3130 Cost Management *4 semester hours*
- ACCT 3140 Accounting Information Systems *4 semester hours*
- ACCT 4110 Advanced Accounting *4 semester hours*
- ACCT 4120 Federal Income Taxation *4 semester hours*
- ACCT 4130 Financial Statements Analysis *4 semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest *4 semester hours*
- ACCT 4160 Auditing *4 semester hours*
- ACCT 4180 Fraud Examination *3 semester hours*
- ACCT 4198 Special Studies *1 TO 4 semester hours*
- ACCT 4199 Independent Studies *1 TO 3 semester hours*

## Note:

For purposes of meeting the requirements for the B.S.A. degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in the following required Accounting major courses: ACCT 3110, ACCT 3120, ACCT 3130, ACCT 3140, ACCT 4110, ACCT 4120, ACCT 4150, and ACCT 4160. In addition, for purposes of meeting the requirements for the B.S.A. degree, a grade of C (2.0) or higher must be achieved in the following required Account major courses: ACCT 3110, ACCT 3120, ACCT 3130, and ACCT 3140.

## Accounting Model Four-Year Plan

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.S.A. degree. All 3000- and 4000-level accounting courses must be taken in residence at Loyola Marymount University.

### Freshman Year

#### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours* (if necessary)
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

#### Spring Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Sophomore Year

### Fall Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *4 semester hours*
- University Core 3-4 *semester hours*
- Elective *4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- ACCT 3110 Intermediate Accounting I *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Junior Year

### Fall Semester

- ACCT 3120 Intermediate Accounting II *4 semester hours*
- ACCT 3140 Accounting Information Systems *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*

Total: 16 semester hours

### Spring Semester

- ACCT 3130 Cost Management *4 semester hours*
- ACCT 4110 Advanced Accounting *4 semester hours*
- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Senior Year

### Fall Semester

- ACCT 4120 Federal Income Taxation *4 semester hours*
- ACCT 4150 Accounting Ethics, Professionalism, and the Public Interest *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Spring Semester

- ACCT 4160 Auditing *4 semester hours*
- BCOR 4970 Strategic Management *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Academic Plan

Effective January 1, 2014, accounting students in the state of California are required to have 150 credit hours for CPA licensure. The California Board of Accountancy currently allows candidates to sit for the CPA exam upon completion of their undergraduate degree; however, candidates will need an additional 30 credit hours of accounting courses to be eligible for CPA licensure. (LMU's B.S. in Accounting degree requires 128 credit hours.) Accounting majors are encouraged, but not required, to include 150 semester hours of study in their academic planning process. Their plan might include undertaking minors and/or an additional major/degree or pursuing Master of Science in Accounting at LMU or other acceptable graduate programs. Students are encouraged to discuss with the Accounting Department Chair and/or their academic advisor various possible tracks to earn the 150 semester hours. The 150 semester hours of study is now required to practice public accounting in most states. The LMU Accounting program has made no determination as to whether meeting California's licensure requirements is sufficient for licensure in other states. If you wish to become licensed in a state other than California, you will need to check with the Board of Accountancy in the state, as licensure requirements differ.

## Masters

### Accounting, M.S.A.

#### Program Overview

The Master of Science in Accounting (MSA) program is designed for individuals who are looking to obtain a CPA license or increase their professional growth opportunities. The objective of the program is to provide students with the technical knowledge as well as the analytical thinking and communication skills required for leadership positions in public and corporate accounting, management consulting, government, and not-for-profit organizations. The MSA core curriculum covers accounting research, financial accounting theory, advanced auditing topics, tax strategies, and accounting data analytics. Students may choose to take elective courses that develop additional depth and expertise in taxation or data analytics.

When combined with program prerequisites, the MSA program complies with the 150-hour California requirement for CPA licensure. The program has made no determination as to whether meeting California's licensure requirements is sufficient for licensure in other states.

## Learning Outcomes

Specific learning objectives include:

- Graduates will possess the knowledge and skills to apply key accounting concepts in a relevant setting.
- Graduates will be able to incorporate ethical reasoning, social responsibility, and sustainability in making business and personal decisions.
- Graduates will possess critical thinking skills and the ability to integrate relevant concepts.
- Graduates will have the ability to communicate effectively.
- Graduates will demonstrate effective research skills to appropriately resolve complex accounting, auditing, and taxation issues.

## Program Prerequisites

- A bachelor's degree, or the international equivalent to a U.S. bachelor's degree, in any discipline from an accredited institution
- A minimum of 18 semester hours of accounting subjects which must include:
  - Financial accounting
  - Cost or managerial accounting
  - Accounting or management information systems
  - Intermediate accounting\*
  - Taxation\*
  - Auditing\*
- A minimum of 24 semester hours in business related subjects as specified in the Educational Requirements for CPA Licensure by the California Board of Accountancy
- A minimum of seven semester hours of ethics study as specified in the Educational Requirements for CPA Licensure by the California Board of Accountancy (\*)

\*May be completed at LMU as additional semester hours required for the MSA.

## Major Requirements

The MSA program requires a minimum of 30 semester hours. Students may start the program in the Fall or Spring semester. The program may be completed on a full-time or part-time basis. The full-time program may be completed in nine months, which begins in the Fall semester and is completed at the end of the following Spring semester. Completing the program in nine months requires a minimum of 15 semester hours in the Fall and Spring semesters. Part-time students must complete the MSA program within five years of their first registration date. All academic requirements must be completed in residence.

The specific degree requirements for the MSA program include:

1. Students must complete a minimum of 30 semester hours of graduate coursework approved by the MSA director. This includes 15 semester hours of required MSA core courses.
2. Students who have not completed a 3-semester-hour course in accounting ethics or professional responsibilities must complete ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest as an elective course.
3. Up to six semester hours of graduate study may be elected from the Master of Business Administration (MBA) or Master of Science in Business Analytics (MSBA) courses to the extent room is available and the student has completed any prerequisite courses. The MSA director must approve these courses. MBA core courses are not permitted.

## Required MSA Core Courses (15 semester hours)

- ACCT 6110 Financial Reporting - Standard Setting Process and Financial Accounting Theory *3 semester hours*
- ACCT 6120 Taxes and Business Strategy *3 semester hours*
- ACCT 6130 Accounting Information, Analysis, and Evaluation *3 semester hours*
- ACCT 6160 Advanced Auditing *3 semester hours*
- ACCT 6170 Professional Accounting Research *3 semester hours*

## Elective Courses

### Accounting Electives (9-15 semester hours)

- ACCT 5110 Advanced Accounting Topics *3 semester hours*
- ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest *3 semester hours*
- ACCT 5180 Fraud Examination *3 semester hours*
- ACCT 6112 Accounting and Finance Concepts for Strategic Planning *3 semester hours*
- ACCT 6114 The CFO Perspective *3 semester hours*
- ACCT 6122 Income Taxation of Corporations and Shareholders *3 semester hours*
- ACCT 6124 Taxation of Flow-Through Entities *3 semester hours*
- ACCT 6126 International Taxation *3 semester hours*
- ACCT 6197 Internship Experience *1 TO 3 semester hours*
- ACCT 6198 Special Studies *1 TO 3 semester hours*
- ACCT 6199 Independent Studies *1 TO 3 semester hours*

### Business Electives (0-6 semester hours)

Students may select any MBA or MSBA courses to the extent room is available and the student has completed any prerequisite courses. The MSA director must approve these courses. MBA core courses are not permitted.

## 4+1 Master of Science in Accounting Program for LMU Students

### Background

The 4+1 Master of Science in Accounting (MSA) Program is designed for undergraduate LMU students who wish to complete the M.S. in Accounting degree one year after completing the bachelor's degree. This will allow students to meet the 150-unit requirement for CPA licensure while earning a B.S.A. and M.S.A. in Accounting. Students admitted to the 4+1 MSA program may take two of the three MSA courses (6 semester hours) listed below in their senior year (included in undergraduate tuition) that will count toward both the bachelor's degree and the MSA degree.

- ACCT 5110 Advanced Accounting Topics (substitutes for ACCT 4110 for accounting majors)
- ACCT 5150 Accounting Ethics, Professionalism, and the Public Interest (substitutes for ACCT 4150 for accounting majors)
- ACCT 5180 Fraud Examination (counts as an undergraduate elective)

Accepted students should contact the director of the M.S. in Accounting program for advice for scheduling classes in the senior year and the fifth year. Other business majors may be eligible for the 4+1 and should consult with the director of the M.S. in Accounting to determine eligibility and undergraduate courses needed.

## Admissions Criteria for the 4+1 Master of Science in Accounting Program for LMU Students

Undergraduate LMU accounting majors and other eligible business majors may apply to the Accelerated (4+1) BSA/MSA in Accounting Program after they reach junior standing and have completed 75 semester hours or more of undergraduate coursework with a GPA of at least 3.0 overall and in accounting courses taken to date. The application includes:

- Personal statement (1-2 pages)
- Current resume

## Minor

### Accounting Minor

#### Accounting Minor Requirements

- ACCT 3110 Intermediate Accounting I *4 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*

At least two of the following courses:

- ACCT 3120 Intermediate Accounting II *4 semester hours*
- ACCT 3130 Cost Management *4 semester hours*
- ACCT 3140 Accounting Information Systems *4 semester hours*
- ACCT 4120 Federal Income Taxation *4 semester hours*

#### Note:

All upper division Accounting courses must be taken in residence. A minimum cumulative GPA of 2.5 must be earned in the minor area. All minor required courses must be completed in residence. Open to **Business Administration majors only**.

## Finance

## Faculty

Chairperson: Susan Elkinawy

Professors: Dennis Draper, Susan Elkinawy, Chun I. Lee, Micah Officer

Associate Professors: Charles J. Higgins, David Offenber, Joshua D. Spizman

Assistant Professors: David Moore, Hai Tran, Yan Zhang

## Bachelors

### Finance, B.B.A.

#### Note

The undergraduate Finance curriculum was revised effective Fall 2017. If a student who matriculated before Fall 2017 takes BCOR 3410 instead of FNCE 3400, he or she will not be able to switch graduation requirements from the pre-revision requirements to the post-revision requirements. If a student who matriculated before Fall 2017 takes FNCE 3400, he or she will be able to switch to the new requirements. Students graduating after May 2020 will be required to have completed the new requirements (unless, in special circumstances, permission has been granted by the Department Chair and Associate Dean).

#### Objectives

The Bachelor of Business Administration degree--Finance (FNCE) major provides students with the necessary skills to succeed in their first finance job upon graduation from LMU. Students will develop applied financial modeling skills based in theory, contracts, and the current tools essential to corporate finance, banking, and investments.

#### Learning Outcomes

Learning outcomes for Finance majors are as follows:

LMU Finance graduates:

1. Apply the principles and techniques of time value of money to value an investment
2. Explain the impact of a firm's capital structure on its risk and firm value
3. Construct rigorous financial models for decision making
4. Translate contracts, laws, annual reports, and other legal documents into financial models
5. Make sound investment decisions
6. Calculate and interpret investment performance measurements.

#### Major Requirements

##### Lower Division Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

##### Upper Division Requirements:

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*
- FNCE 3400 Fundamentals of Corporate Finance *4 semester hours*

## Notes:

Students are required to enroll in FNCE 1401 by the fall of the sophomore year if possible. Transfer students should enroll in FNCE 1401 as soon as possible. The course meets four times for two hours per meeting over the course of the semester, and students will receive Credit/No Credit upon completion of the course. A student must earn credit for FNCE 1401 in order to graduate. FNCE 1401 is a zero-semester-hour, zero-cost course.

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and math courses).

For purposes of meeting the requirements for the B.B.A., Finance major, a minimum grade of a C must be earned in each of FNCE 3400, FNCE 3415, and FNCE 3420. If a student is unable to attain a C in each of FNCE 3400, FNCE 3415, and FNCE 3420 after two attempts, that student will not be allowed to continue in the Finance major.

## Core, Major, and Elective Finance Courses:

- FNCE 1401 Planning for a Career in Finance *0 semester hours*
- FNCE 3400 Fundamentals of Corporate Finance *4 semester hours*
- FNCE 3415 Valuation and Financial Modeling *4 semester hours*
- FNCE 3420 Investments *4 semester hours*
- FNCE 3440 Mergers and Acquisitions *4 semester hours*
- FNCE 3456 Entertainment Finance *4 semester hours*
- FNCE 3497 Internship *1 semester hours*
- FNCE 4410 Entrepreneurial Finance *3 semester hours*
- FNCE 4420 Real Estate Finance, Investment, and Entrepreneurship *4 semester hours*
- FNCE 4430 Capital Markets *4 semester hours*
- FNCE 4440 Financial Modeling and Analytics *4 semester hours*
- FNCE 4480 International Finance *4 semester hours*
- FNCE 4491 Student Investment Fund: Security Analysis *4 semester hours*
- FNCE 4492 Student Investment Fund: Portfolio Management *4 semester hours*
- FNCE 4493 Student Investment Fund: Investment Research Lab *2 semester hours*
- FNCE 4498 Special Studies *1 TO 4 semester hours*
- FNCE 4499 Independent Studies *1 TO 4 semester hours*

## Note

Students with a major in Finance are required to complete at least five courses in the finance area including the three required classes, FNCE 3400 Fundamentals of Corporate Finance, FNCE 3415 Valuation and Financial Modeling, and FNCE 3420 Investments. Two additional courses carrying a minimum of three semester hours each must be chosen from the list above.

To fulfill their open electives, students are encouraged to take additional finance courses; additional accounting courses, such as ACCT 3110 Intermediate Accounting I; additional economics courses, such as ECON 3300 Econometrics; computer

programming courses, such as CMSI 185 Computer Programming or CMSI 284 Computer Systems Organization; or additional mathematics courses.

## Student Investment Fund (SIF):

Students enrolled in the SIF are permitted to take FNCE 4491, FNCE 4492, and FNCE 4493 (required for the SIF specialty). FNCE 4491 and FNCE 4492 may be taken in lieu of FNCE 3420 and fulfill one upper division FNCE elective. Students who take FNCE 4491, FNCE 4492, and FNCE 3420 will only fulfill one upper division FNCE elective and therefore will need a total of six finance courses not including FNCE 4493.

## Model 4-Year Plan--Bachelor of Business Administration--Finance Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Finance major) degree.

### Freshman Year

#### Fall Semester

- FNCE 1401 Planning for a Career in Finance *0 semester hours*
- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

#### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 18-19 semester hours

### Sophomore Year

#### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *4 semester hours*

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

## Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- FNCE 3400 Fundamentals of Corporate Finance *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Junior Year

### Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- FNCE 3415 Valuation and Financial Modeling *4 semester hours*
- Elective *4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- FNCE 3420 Investments *4 semester hours*
- FNCE Elective *4 semester hours*
- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*

Total: 16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- FNCE Elective *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- FNCE Elective *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

# Information Systems and Business Analytics

## Faculty

Chairperson: Kala Chand Seal

Professors: Robbie Nakatsu, Richard J. Perle, Zbigniew H. Przasnyski, Kala Chand Seal

Associate Professor: Linda A. Leon

Assistant Professors: Arindam Brahma, Mostafa Mesgari, Ying Sai, Youyou Tao, Au Vo, Nohel Zaman

Clinical Professor: Gregory Lontok

## Bachelors

### Information Systems and Business Analytics (ISBA), B.B.A.

## Objectives

The Bachelor of Business Administration (B.B.A.) degree in Information Systems and Business Analytics (ISBA) is designed to prepare students for careers in the Information Systems and Business Analytics fields and provide students opportunities to develop analytics skills and learn how to apply latest information technology tools to solve business problems at the operational, technical, and strategic levels. Students will acquire foundational programming skills, learn to use various development tools, and acquire critical data management skills and competencies. They will understand how organizational processes interact with IS/IT and learn how to design systems and analytic tools to support these processes. The major will provide students critical skills necessary to foster innovation as well as continuously adapt to the ever-changing field of IT and business applications.

## Learning Outcomes

Learning outcomes for ISBA majors are as follows:

1. Utilize competencies gained from hands-on experience in core information technologies that include programming languages, database management systems, web development tools, spreadsheets, and other data analysis and visualization tools.
2. Identify, structure, and solve business problems by proposing an IS, IT and/or data analytics solution

3. Plan, manage, develop, and describe how to implement IT and/or data analytics-based IS solutions in business and organizational settings
4. Apply critical thinking and problem-solving skills when analyzing business problems
5. Effectively communicate complex technological and/or analytical concepts through oral, visual, and written communication

## Core, Major, and Elective Information Systems and Business Analytics Courses:

### Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750)
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860)
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970)

### Note:

All majors in ISBA must complete BCOR 2710 before they can start taking the upper division ISBA courses. Students with a B.B.A. in ISBA are required to complete five 4-semester-hour courses (for a total of 20 semester hours) in the ISBA area including two required classes: ISBA 3710 Database Management Systems and ISBA 4797 Capstone Project. Students must also fulfill a programming requirement by completing either ISBA 3730 Programming for Business Applications or CMSI 185 Computer Programming. If students take ISBA 3730, then they only need to take two additional 4-semester-hour ISBA electives. If they take CMSI 185, then they need to take three additional 4-semester-hour ISBA electives.

## ISBA Major Course Requirements

- ISBA 3710 Database Management Systems *4 semester hours*
- Course that can fulfill the Programming Requirements:  
ISBA 3730 Programming for Business Applications *4 semester hours* or  
CMSI 185 Computer Programming *3 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*

## Note:

Additionally, students need to choose *two* 4-semester-hour courses if they took ISBA 3730 (or **three** 4-semester-hour ISBA courses if programming requirement is satisfied by CMSI 185) from the following list of ISBA electives:

- ISBA 3720 Systems Analysis and Design *4 semester hours*
- ISBA 3730 Programming for Business Applications *4 semester hours*
- ISBA 3797 Internship *1 semester hours*
- ISBA 4715 Developing Business Applications Using SQL *4 semester hours*
- ISBA 4740 Financial Modeling and Analytics *4 semester hours*
- ISBA 4750 Business Web and App Development *4 semester hours*
- ISBA 4755 Introduction to Big Data *4 semester hours*
- ISBA 4790 Machine Learning *4 semester hours*
- ISBA 4796 Capstone Proposal Development *1 semester hours*
- ISBA 4798 Special Studies *1 TO 4 semester hours*
- ISBA 4799 Independent Studies *1 TO 4 semester hours*

## Note:

A cumulative GPA of C (2.0) must be achieved in the core requirements (all business, economics, and math courses).

For purposes of meeting the requirements for the Information Systems and Business Analytics major curriculum, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

## Model 4-Year Plan--Bachelor of Business Administration--Information Systems and Business Analytics Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Information Systems and Business Analytics major) degree.

### ISBA (B.B.A) Sample Schedule

#### Freshman Year

##### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 14-16 semester hours

## Sophomore Year

### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 16-18 semester hours

### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

## Junior Year

### Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- ISBA 3710 Database Management Systems *4 semester hours*
- ISBA 3730 Programming for Business Applications *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- ISBA Elective *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- ISBA Elective *4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

### Note:

Electives and some University Core courses may vary in terms of the number of credits granted. The total number of semester hours required is 128 for graduation, which assume that each course will be 4 semester hours. If less, compensatory credits may be required to reach 128.

## **Information Systems and Business Analytics (ISBA), B.S.**

### Objectives

The Bachelor of Science (B.S.) degree in Information Systems and Business Analytics (ISBA) is designed to prepare students for careers in the Information Systems and Business Analytics fields and provide students opportunities to develop analytic skills and learn how to apply latest information technology tools to solve business problems at the operational, technical, and strategic levels. Students will acquire foundational programming skills, learn to use various development tools, and acquire critical data management skills and competencies. They will understand how organizational processes interact with IS/IT and learn how to design systems and analytic tools to support these processes. The major will provide students critical skills necessary to continuously adapt to the ever-changing field of IT and business applications. The ISBA B.S. degree aims to provide more technical depth in programming area to the students pursuing the degree compared to the students in the regular ISBA B.B.A. major. Additionally, current methods and tools deployed in the analytics area demand understanding of the mathematics behind those tools for their effective learning and deployment. Students in the ISBA B.S. degree program, therefore, need to take non-business courses from the Computer Science department and a possible Deep Learning or Machine Learning course from the Mathematics department in the Frank R. Seaver College of Engineering to acquire such depth.

### Learning Outcomes

Learning outcomes for ISBA majors pursuing a B.S. degree are as follows:

LMU Information Systems and Business Analytics graduates will be able to:

1. Utilize competencies gained from hands-on experience in core information technologies that include programming languages, database management systems, web development tools, spreadsheets, and other data analysis tools
2. Identify, structure, and solve business problems by proposing an IS, IT, and/or analytics solution
3. Plan, manage, develop, and describe how to implement information systems in business and organizational settings
4. Apply critical thinking and problem-solving skills when analyzing business problems
5. Effectively communicate complex technological and or analytical concepts through oral, visual, and written communication
6. Develop proficiency in one mainstream programming language, such as Java, JavaScript, C++, or Python

## Core, Major, and Elective Information Systems and Business Analytics Courses (B.S. degree):

### Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750)
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860)
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970)

### Note:

Students electing the B.S. in ISBA degree must complete all the requirements of the Information Systems and Business Analytics (ISBA), B.B.A. degree. In addition, students pursuing a B.S. in ISBA must take at least four Computer Science courses or three Computer Science courses and a Mathematics course on Deep Learning/Machine Learning. The combination of courses must include at least one programming course such as CMSI 185 Computer Programming. CMSI 186 Programming Laboratory is also highly recommended, but not required. Since the B.S. ISBA major will be fulfilling the programming requirement through the courses in the Computer Science department, students must take *three additional* 4-semester-hour ISBA electives in addition to the required ISBA 3710 and ISBA 4797.

## ISBA Major Course Requirements

- ISBA 3710 Database Management Systems *4 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*

AND three 4-semester-hour courses from the following list of ISBA electives:

- ISBA 3720 Systems Analysis and Design *4 semester hours*
- ISBA 3730 Programming for Business Applications *4 semester hours*
- ISBA 3797 Internship *1 semester hours*
- ISBA 4715 Developing Business Applications Using SQL *4 semester hours*
- ISBA 4740 Financial Modeling and Analytics *4 semester hours*
- ISBA 4750 Business Web and App Development *4 semester hours*
- ISBA 4755 Introduction to Big Data *4 semester hours*
- ISBA 4790 Machine Learning *4 semester hours*
- ISBA 4796 Capstone Proposal Development *1 semester hours*
- ISBA 4798 Special Studies *1 TO 4 semester hours*
- ISBA 4799 Independent Studies *1 TO 4 semester hours*

### Note:

A cumulative GPA of C (2.0) must be achieved in the core requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the Information Systems and Business Analytics major, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

## Model 4-Year Plan--Bachelor of Science--Information Systems and Business Analytics Major Curriculum

The following curriculum represents the order of sequence in which it is expected that students will take the various courses required for the B.S. (Information Systems and Business Analytics major) degree.

### ISBA (B.S.) Sample Schedule

#### Freshman Year

##### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

##### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 15-16 semester hours

## Sophomore Year

### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*
- CMSI 186 Programming Laboratory *3 semester hours*

Total: 15 semester hours

## Junior Year

### Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- ISBA 3710 Database Management Systems *4 semester hours*
- ISBA Elective *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- ISBA Elective *4 semester hours*
- CMSI/MATH Elective *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- ISBA Elective *4 semester hours*
- CMSI/MATH Elective *3-4 semester hours*
- University Core *4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- ISBA 4797 Capstone Project *4 semester hours*
- University Core *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

## Note:

Electives and some University Core courses may vary in terms of the number of credits granted. The total number of semester hours required is 128 for graduation, which assumes that each course will be 4 semester hours. If less, compensatory credits may be required to reach 128.

## Masters

### Business Analytics, M.S.

#### Program Overview

The objective of the Master of Science in Business Analytics (MSBA) program is to provide students with the knowledge, tools, and skills needed to analyze data and make effective business decisions. Students will be educated in all areas related to business analytics and big data analysis including, but not limited to, data management, visualization, data-mining, machine learning, and integration strategies for analyzing large, structured and unstructured datasets. The program includes a summer capstone project built around student teams with faculty advisors, which will develop business analytics solutions for problems hosted by live business clients. The capstone experience has been designed so students can develop their problem-framing, teamwork, project management, and communication skills for managing business analytics projects in an organization.

#### Learning Outcomes

- Graduates will possess the business foundation necessary to apply business analytic concepts in organizational settings.
- Graduates will be able to create and manage analytics ready data.
- Graduates will demonstrate statistical and programming skills required to analyze data.
- Graduates will be able to select and apply appropriate data modeling tools to provide insight for the analysis of business situations.
- Graduates will be able to clearly explain information and insight gained from analytic models in a business context.

## Major Requirements

The Master of Science in Business Analytics (MSBA) is a face-to-face program that starts in the Fall semester and finishes in August. The program can be completed in one year full-time or in two years part-time. The program requires a minimum of 30 semester hours. All academic requirements must be completed in residence. The MSBA has been designed for people with a statistics/quantitative background, such as engineering, science, computer science, economics, and/or business. Business work experience is not required for this program. Students with an undergraduate business background may waive up to 6 semester hours associated with the two required business foundation core courses.

The specific degree requirements include:

1. 18 to 24 semester hours of core BSAN graduate courses, depending on student's business background
2. Completion of 4 BSAN courses associated with the Capstone Project Experience (6 semester hours)
3. A minimum of 6 semester hours in BSAN analytics course electives beyond core classes. Electives are offered to support more depth in three possible pathways in the areas of either marketing analytics, healthcare analytics, or general data analytics.

## Required Core Classes (18-24 semester hours)

- BSAN 6010 Fundamentals of Business - Accounting, Finance & Operations *3 semester hours*
- BSAN 6020 Marketing for Managers *3 semester hours*
- BSAN 6030 Programming for Data Management *3 semester hours*
- BSAN 6040 Data, Models and Decisions for Analytics *3 semester hours*
- BSAN 6050 Customer Relationship Management Analytics *3 semester hours*
- BSAN 6060 Data Management for Business Intelligence *3 semester hours*
- BSAN 6070 Introduction to Machine Learning *3 semester hours*
- BSAN 6080 Strategic Analytics Integration *3 semester hours*

## Required Capstone Classes (6 semester hours)

- BSAN 6088 Statistics Bootcamp and Capstone Project Preparation I *0 semester hours*
- BSAN 6089 Capstone Project Preparation II: Research Design, Project Management, and People Dynamics *0 semester hours*
- BSAN 6090 Capstone Project I *3 semester hours*
- BSAN 6095 Capstone Project II *3 semester hours*

## Elective Courses (at least 6 semester hours)

- BSAN 6100 Data Visualization and Geographic Information Systems *3 semester hours*
- BSAN 6200 Text-Mining and Social Media Analytics *3 semester hours*
- BSAN 6300 Marketing Analytics *3 semester hours*

- BSAN 6400 Healthcare Analytics 3 semester hours

## Admissions Criteria for the Master of Science in Business Analytics Program

- Online Application: <https://graduate.lmu.edu/apply>
- Completion of a bachelor's degree from an accredited U.S. institution or the equivalent of a U.S. bachelor's degree from a foreign institution
- Undergraduate grade point average over 3.0
- Completion of a college statistics course in last six years with a grade of B or better
- \$50 non-refundable application fee
- Official GMAT or GRE score
- Transcripts from all colleges or universities attended
- International applicants should submit TOEFL or IELTS scores (waived for applicants who have completed a degree in the United States)
- Personal statement
- Resume
- Two letters of recommendation

## 4+1 Master of Science in Business Analytics Program

### Background

The 4+1 Master of Science in Business Analytics (MSBA) Program is designed for undergraduate LMU students who wish to complete the M.S. in Business Analytics degree one year after completing the bachelor's degree. Students admitted to the 4+1 MSBA program will take up to two MSBA courses (6 semester hours) in their senior year (included in undergraduate tuition) that will count toward both the bachelor's degree and the MSBA degree. Accepted students should contact the Graduate Business Programs office for advice for scheduling classes in the senior year and the fifth year.

## Admissions Criteria for the 4+1 Master of Science in Management Program

Undergraduate LMU majors may apply to the Accelerated (4+1) Bachelor's/MS in Business Analytics Program after they reach junior standing and have completed 75 semester hours or more of undergraduate coursework with an overall GPA of at least 3.0 for courses taken to date. Applicants must complete an undergraduate statistics course, earning a B or higher, before taking courses in the MSBA. The application will include:

- Personal statement (1-2 pages)
- Current resume
- Two academic and/or professional recommendations
- A minimum GPA of 3.2 to waive the GMAT/GRE requirement (students with a GPA below 3.2 may apply if they submit GMAT or GRE results)

## Management

## Faculty

Chairperson: Anatoly Zhuplev

Professors: Dong Chen, David Choi, Ellen Ensher, Jeffrey Gale, Yongsun Paik, Charles Vance, Anatoly Zhuplev

Associate Professors: Li Dai, Angélica Gutiérrez, Daniel Jacobs (Clinical), Patricia García Martínez, Cathleen McGrath, Trevor Zink

Assistant Professors: Jason D'Mello, Yamlaksira Getachew, Alexander Glossenberg, Sohvi Heaton, Tony Kmetty (Clinical), Jeffrey Thies (Clinical), Rochelle Webb (Clinical)

## **Bachelors**

### **Entrepreneurship, B.B.A.**

#### **Objectives**

The Bachelor of Business Administration Entrepreneurship major at LMU provides undergraduate students with the fundamental theories, critical thinking skills, and real-world awareness necessary to develop their entrepreneurial competencies. The focus of the major is to equip students with an entrepreneurial mindset, state-of-the-art skill set (e.g., entrepreneurial processes), and practical experiences to support their (immediate or eventual) launch into careers as startup entrepreneurs (i.e., founders and/or leaders of new ventures), social entrepreneurs (i.e., founders and/or leaders of social ventures or change agents in society), and corporate entrepreneurs (i.e., "intrapreneurs" or change agents and leaders within established, more traditional organizations).

#### **Learning Outcomes (all pathways)**

- Students will demonstrate an entrepreneurial mindset.
- Students will demonstrate proficiency in the entrepreneurial process (e.g., recognizing and evaluating opportunities and conducting feasibility analysis, etc.).
- Students will be able to analyze technological trends and opportunities.
- Students will be able to build financial models and evaluate the financing strategies for a growing venture.
- Students will be able to plan marketing strategies and tactics for a new venture.
- Students will be able to explain the social, environmental, and economic responsibility of an entrepreneurial venture.

#### **Pathways**

In addition, there are three pathways (startup, corporate, and social entrepreneurship) in the major, each with specific additional learning outcomes described below.

##### **Startup Pathway**

- Students will be able to plan for the launch of a new venture in the context of a startup environment.
- Students will be able to design a course of action and execute to launch and grow a new venture.

##### **Social Entrepreneurship Pathway**

- Students will be able to apply their entrepreneurial mindset and business skills to create innovative approaches to social/environmental problems.
- Students will be able to explain the key innovations and best practices in business models, legal forms, financing alternatives, and organizational strategies of for-profit and not-for-profit social ventures.

## Corporate Entrepreneurship Pathway

- Students will be able to identify and analyze entrepreneurial opportunities (e.g., performance improvement or new business opportunities) pertaining to an existing organization.
- Students will be able to explain the processes and skills needed to lead and manage change inside an organization.

## Major Requirements

### Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*

### Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Entrepreneurship major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

### Core, Major, and Elective Entrepreneurship Courses:

- ENTR 1310 Fundamentals of Entrepreneurship *4 semester hours*
- ENTR 2310 Technology Trends, Opportunities, and Tools *4 semester hours*
- ENTR 3350 New Venture Creation *4 semester hours*

- ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing *4 semester hours*
- ENTR 3360 Corporate Entrepreneurship and Innovation *4 semester hours*
- ENTR 3370 Entrepreneurial Acquisitions *4 semester hours*
- ENTR 3397 Internship *1 semester hours*
- ENTR 4310 Entrepreneurial Finance *3 semester hours* (FNCE 4410)
- ENTR 4320 Real Estate Finance, Investment, and Entrepreneurship *4 semester hours* (FNCE 4420)
- ENTR 4325 Real Estate Development *4 semester hours*
- ENTR 4340 International Entrepreneurship *4 semester hours* (INBA 4840)
- ENTR 4370 Product and Business Design *4 semester hours*
- ENTR 4380 Business Incubation *4 semester hours*
- ENTR 4381 Managing New Ventures *4 semester hours*
- ENTR 4382 Leading and Managing Change *4 semester hours*
- ENTR 4383 Social Entrepreneurship *4 semester hours*
- ENTR 4385 Entrepreneurial Leadership *4 semester hours*
- ENTR 4398 Special Studies *1 TO 4 semester hours*
- ENTR 4399 Independent Studies *1 TO 4 semester hours*

## Model 4-Year Plan--Bachelor of Business Administration--Entrepreneurship Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Entrepreneurship major) degree.

Entrepreneurship majors can choose one of three pathways, i.e., one of the three specialized Entrepreneurship Curriculum Pathways: Startup Entrepreneurship, Corporate Entrepreneurship, and Social Entrepreneurship. The foundational courses are the same across all the pathways. They are: ENTR 1310 Fundamentals of Entrepreneurship, ENTR 2310 Technology Trends, Opportunities, and Tools, and ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing (this course does not need to be taken prior to taking the cornerstone courses).

The requirements for the remaining course for the Entrepreneurship major are specific to each Pathway. Students take one of the cornerstone courses within the respective pathways that include ENTR 3350 New Venture Creation (for the Startup Entrepreneurship Pathway), ENTR 3360 Corporate Entrepreneurship and Innovation (for the Corporate Entrepreneurship Pathway), and ENTR 3350 New Venture Creation or ENTR 4340 International Entrepreneurship (for the Social Entrepreneurship Pathway). Finally, students take their capstone Entrepreneurship course specific to their pathways, which include ENTR 4380 Business Incubation or ENTR 4381 Managing New Ventures (Startup Entrepreneurship Pathway), ENTR 4382 Leading and Managing Change (Corporate Entrepreneurship Pathway), and ENTR 4383 Social Entrepreneurship (Social Entrepreneurship Pathway). Alternatively, students may elect to not enter any Entrepreneurship Curriculum Pathway and instead pursue a general Entrepreneurship curriculum consisting of any of the above cornerstone courses followed by any of the 4000-level capstone Entrepreneurship courses.

### Freshman Year

#### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ENTR 1310 Fundamentals of Entrepreneurship *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 16-17 semester hours

### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-19 semester hours

### Sophomore Year

#### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- ENTR 2310 Technology Trends, Opportunities, and Tools *4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 17-18 semester hours

#### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3410 Fundamentals of Finance *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

### Junior Year

#### Fall Semester

- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- ENTR Pathway (Cornerstone) *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

#### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- ENTR 3355 Entrepreneurial Finance and Entrepreneurial Marketing *4 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- ENTR Pathway Elective *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Management and Leadership, B.B.A.

### Objectives

The Management and Leadership major provides students with the appropriate theoretical foundation, applied skill development, and project-based learning to develop the best version of themselves as professionals capable of managing their own careers successfully and leading others. Students are expected to gain knowledge, skills, and experiences necessary to support their entry and ongoing career success as ethical and socially responsible leaders, managers, and administrators in our diverse global economy. In addition to the university and college core requirements, Management and Leadership students are required to complete three specialized management courses and two upper-division electives. Students will develop their own career action plan and have the flexibility to choose the two electives according to their career interests.

### Learning Outcomes

Upon completion of requirements for this major, students will be able to:

- Demonstrate an understanding of leadership principles, theories, skills, and traits within themselves and in organizations

- Demonstrate knowledge of the methods and management styles organizations use to sensitize and engage their employees in valuing diversity in the workplace
- Identify and understand the major theoretical frameworks for team development and processes
- Demonstrate decision making abilities in difficult situations through practice to develop confidence in effective and efficient leadership
- Demonstrate global business knowledge, cross-cultural competencies, and appreciation for local and global business environments
- Understand how to build nimble organizational cultures to promote innovation, collaboration, and creativity

## Major Requirements

### Lower Division Business Core Requirements:

- BCOR 1910 Business for Good *2 semester hours*
- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*

### Upper Division Business Core Requirements:

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) *4 semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) *4 semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) *4 semester hours*

### Management and Leadership Major Requirements:

- MGMT 2600 Managing Yourself *4 semester hours*
- MGMT 3600 Managing Others *4 semester hours*
- MGMT 4600 Global Immersion *4 semester hours*
- Two upper-division electives selected by student according to career interests (Curriculum Map must be approved by Management faculty and undergraduate program) *4 semester hours each*

### Note:

A cumulative GPA of C (2.0) must be achieved in the major requirements (all business, economics, and mathematics courses).

For purposes of meeting the requirements for the B.B.A., Management and Leadership major, degree and determination of academic probation, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

## Core, Major, and Elective Management Courses:

- MGMT 2600 Managing Yourself *4 semester hours*
- MGMT 3600 Managing Others *4 semester hours*
- MGMT 3686 Learning and Development *4 semester hours*
- MGMT 4600 Global Immersion *4 semester hours*
- MGMT 4608 Faith and Business *4 semester hours*
- MGMT 4630 International Management *4 semester hours* (INBA 4830)
- MGMT 4640 Cross-Cultural Leadership *4 semester hours*

## Completion of Management and Leadership Major

For the Management and Leadership major, students will complete all LMU and CBA core requirements, plus the required MGMT 2600 Managing Yourself, MGMT 3600 Managing Others, MGMT 4600 Global Immersion and two electives (which will be documented in a Curriculum Map) to support their career goals. While the Management department will provide a suggested list of courses for three different emphases, Human Resources Management, International Management, and General Management, it will also provide a list of other University courses which have been pre-approved as appropriate for Management and Leadership electives. Students will create, propose, and submit a Curriculum Map for approval as part of their coursework in MGMT 2600 Managing Yourself.

## Model 4-Year Plan--Bachelor of Business Administration--Management and Leadership Major Curriculum

The following curriculum represents the order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Management and Leadership major) degree.

### Freshman Year

#### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- MATH 120 Precalculus Mathematics *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 16-17 semester hours

#### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 19 semester hours

## Sophomore Year

### Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *4 semester hours*

Total: 16-18 semester hours

### Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Junior Year

### Fall Semester

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- MGMT 2600 Managing Yourself *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- MGMT 3600 Managing Others *4 semester hours*
- MGMT 4600 Global Immersion *4 semester hours*

Total: 16 semester hours

## Senior Year

## Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- MGMT Elective (must be approved) *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- MGMT Elective (must be approved) *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Certificate

### Foundations of Management Certificate

The Foundations of Management graduate certificate program is designed for individuals who (1) have completed a bachelor's degree in a non-business major and who have not minored in business, and (2) are interested in gaining fundamental knowledge, skills, and abilities in business management to improve their opportunities to advance or start a career and/or position themselves to later pursue a graduate degree in business.

Students who complete each course in the graduate certificate program with a grade of B or higher have the option to continue on into the M.S. in Management program; the three courses in the graduate certificate program count toward the required 10 courses in the M.S. in Management degree.

### Admissions Requirements

Admissions Criteria for the Graduate Certificate in Foundations of Management:

- Online Application: <https://graduate.lmu.edu/apply>
- Completion of a bachelor's degree from an accredited U.S. institution or the equivalent of a U.S. bachelor's degree from a foreign institution.
- Undergraduate grade point average over 3.0.
- \$50 non-refundable application fee.
- Transcripts from all colleges or universities attended
- International applicants should submit TOEFL or IELTS scores (waived for applicants who have completed a degree in the United States).
- Personal statement
- Resume

## Curriculum

The Foundations of Management Graduate Certificate will consist of three courses from the M.S. in Management degree program.

- BADM 602 Financial and Managerial Accounting *3 semester hours*
- BADM 605 Management and Organizational Behavior *3 semester hours*
- BADM 606 Marketing Management *3 semester hours*

## Masters

### Management, M.S.

#### Program Overview

The objective of the Master of Science in Management (MSM) is to provide a high quality, general business education to recent college graduates who have earned a bachelor's degree in a field other than business, such as in the arts, humanities, sciences, or engineering, and have had limited exposure to, and experience in, business. The MSM provides students the knowledge and skills to apply key business concepts in organizational settings in the areas of accounting, finance, marketing, operations and decision support systems, information technology, economics, and statistics. The program prepares graduates to build on their undergraduate major to develop marketable knowledge and skills that are valuable to businesses and other organizations seeking management talent.

#### Program Mission Statement

The mission of the Master of Science in Management program is to provide a foundation in business education consistent with the Jesuit and Marymount traditions. The program fosters development of the whole person and views business as a force for good in the global community.

#### Learning Outcomes

- Graduates will possess the knowledge and skills to be able to apply key business concepts in organizational settings.
- Graduates will possess the knowledge and skills to manage in a global economy.
- Graduates will possess critical thinking skills and the ability to integrate concepts.
- Graduates will have the ability to communicate effectively.
- Graduates will have the knowledge and skills to function effectively as members, managers, and leaders in the organizations in which they are employed.
- Graduates will be able to incorporate ethical reasoning, social responsibility, and sustainability in making decisions in their organizations.

#### Major Requirements

The Master of Science in Management (MSM) is a nine-month, full-time, face-to-face program that is completed in one academic year (Fall and Spring semesters). The courses are taught primarily during the day or early evening. The program requires completion of 32 semester hours, consisting of ten courses and two workshops.

## Required Courses (3 semester hours each)

- BADM 601 The Legal and Ethical Environment of Business *3 semester hours*
- BADM 602 Financial and Managerial Accounting *3 semester hours*
- BADM 603 Business Statistics *3 semester hours*
- BADM 604 Business Economics *3 semester hours*
- BADM 605 Management and Organizational Behavior *3 semester hours*
- BADM 606 Marketing Management *3 semester hours*
- BADM 607 Operations Analysis and Decision Support Systems *3 semester hours*
- BADM 608 Financial Management *3 semester hours*
- BADM 609 Management Information Systems *3 semester hours*
- BADM 610 Management Strategy *3 semester hours*

## Workshops (1 semester hour each)

- BADM 611 Management Workshop: Introduction to Business and Communications *1 semester hours*
- BADM 612 Management Workshop: Personal Development and Career Planning *1 semester hours*

## 4+1 Master of Science in Management Program

### Background

The 4+1 Master of Science in Management (MSM) Program is designed for undergraduate LMU students who are not pursuing a major in business and wish to complete the M.S. in Management degree one year after completing the bachelor's degree. Students admitted to the 4+1 MSM program will take up to two MSM courses (6 semester hours) in their senior year (included in undergraduate tuition) that will count toward both the bachelor's degree and the MSM degree. Accepted students should contact the Graduate Business Programs office for advice for scheduling classes in the senior year and the fifth year.

### Admissions Criteria for the 4+1 Master of Science in Management Program

Undergraduate LMU majors may apply to the 4+1 MSM program after they reach junior standing and have completed 75 semester hours or more of undergraduate coursework with an overall GPA of 3.2 or higher for courses taken to date. The application includes:

- Personal statement (1-2 pages)
- Current resume
- A minimum GPA of 3.2 to waive the GMAT/GRE requirement (students with a GPA below 3.2 may apply if they submit GMAT or GRE results)

## Marketing and Business Law

### Faculty

Chairperson: Sijun Wang

Professors: Arthur Gross-Schaefer, Velitchka D. Kaltcheva, Andrew Rohm, David W. Stewart (President's Professor of Marketing and Law), Madhu Viswanathan, Sijun Wang, Robert D. Winsor

Associate Professors: Mark Bandsuch, S.J., Myla Bui-Nguyen, Mitchell Hamilton, Julian Saint Clair

Assistant Professors: Dominique Braxton, Aidin Namin, Zhen (Richard) Tang

Clinical Professors: Sona Gala, Matt Stefl

## Bachelors

### Marketing, B.B.A.

#### Objectives

The Marketing major focuses on activities that facilitate the creation of value and exchange between individuals and organizations. The Marketing Pathway Curriculum, introduced Fall 2018, prepares students to be future-proof and real-world ready in careers such as marketing research and analytics, advertising and promotion, interactive digital and social media marketing, brand planning and strategy, marketing and product management, global marketing, diversity marketing, retailing, and sales management. Additionally, these career paths can lead to leadership positions in all types of organizations and industries, including nonprofit and government sectors.

#### Learning Outcomes

- Students should know the core concepts of creating customer and company value and developing and executing the marketing mix (consisting of product, pricing, promotional, and place/distribution strategy) within the broader context of business, society, and culture.
- Students should understand the environmental, psychological, technological, socio-cultural, and competitive factors impacting businesses and consumers within marketing and exchange processes in the 21st century.
- Students should understand the impact of present and future technological change (e.g., digital and social media marketing, e-commerce, virtual and augmented reality, machine learning and artificial intelligence) on both consumer behavior and marketing strategy and practice.
- Students should understand the ethical and legal implications of both customer and business decision-making processes and outcomes.
- Students should acquire analytical and critical thinking skills, both qualitative and quantitative, for addressing challenges and optimizing the decision processes for businesses and consumers.
- Students should develop effective oral and written communication skills.
- Students should learn to collaborate and work effectively in teams.
- Students should develop confidence in expressing, articulating, and championing both their creativity and their ethical principles in addressing business and organizational opportunities and challenges.
- Students should understand how marketing activities impact the financial performance of a firm (such as profitability) and the economic outcomes for society.

#### Major Requirements

#### Lower Division Requirements:

- BCOR 1910 Business for Good 2 *semester hours*
- BCOR 2110 Financial Accounting 4 *semester hours*
- BCOR 2120 Accounting Information for Decision Making 4 *semester hours*
- BCOR 2210 Legal Environment of Business 2 *semester hours*
- BCOR 2710 Business Information Technology 4 *semester hours*
- ECON 1050 Introductory Economics 4 *semester hours*
- ECON 2300 Introductory Statistics 4 *semester hours*
- MATH 112 Calculus for Business 3 *semester hours*

## Upper Division Requirements:

- BCOR 3410 Fundamentals of Finance 4 *semester hours*
- BCOR 3510 Marketing and Business Communications 4 *semester hours*
- BCOR 3610 Managing People and Organizations 4 *semester hours*
- BCOR 4910 Business Ethics and Sustainability 4 *semester hours*
- One course from the "Quantitative Methods for Business" course-list (e.g., BCOR 3750) 4 *semester hours*
- One course from the "International/Global Awareness" course-list (e.g., BCOR 3860) 4 *semester hours*
- One course from the "Strategic Business Integrations" course-list (e.g., BCOR 4970) 4 *semester hours*

## Note:

For purposes of meeting the requirements for the B.B.A. in Marketing, an overall cumulative grade point average of at least a C (2.0) must be obtained in all courses required in the major.

## All (Business Core, Major, and Elective) Marketing Courses:

- BCOR 3510 Marketing and Business Communications 4 *semester hours*
- MRKT 3512 Customer Insights 4 *semester hours*
- MRKT 3513 Rethinking the Marketplace 4 *semester hours*
- MRKT 3516 Company and Customer Mutualism 4 *semester hours*
- MRKT 3521 The New World of Branding and Advertising 4 *semester hours*
- MRKT 3531 Brand Planning and Strategy 4 *semester hours*
- MRKT 3532 Personal Brand Management 1 *semester hours*
- MRKT 3570 Marketing Law 4 *semester hours*
- MRKT 3597 Internship 1 *semester hours*
- MRKT 3598 Special Studies 1 TO 4 *semester hours*
- MRKT 4510 Advertising and Promotion Management 4 *semester hours*
- MRKT 4511 Cross-Platform Content Creation 4 *semester hours*
- MRKT 4515 Managing Retail and Service Businesses 4 *semester hours*
- MRKT 4517 Data-Driven Customer Insights 4 *semester hours*
- MRKT 4521 Adaptive Media and Analytics 4 *semester hours*
- MRKT 4523 Historical Survey of Business and Capitalism in Society 4 *semester hours*
- MRKT 4524 Sustainable Marketing Enterprises 4 *semester hours*
- MRKT 4525 Competitive Strategy 4 *semester hours*
- MRKT 4527 Customer Relationship Management Analytics 4 *semester hours*
- MRKT 4531 Creative Brand Management 4 *semester hours*
- MRKT 4532 Advertising Account Management 1 *semester hours*

- MRKT 4533 Psychology of Health and Marketing *4 semester hours*
- MRKT 4534 Bottom-up Marketing Innovation *4 semester hours*
- MRKT 4535 Public Policy and Marketing *4 semester hours*
- MRKT 4536 Professional Selling *4 semester hours*
- MRKT 4537 Online and Social Media Analytics *2 semester hours*
- MRKT 4543 Brands, Celebrities, and the Arts *4 semester hours*
- MRKT 4545 New Product Development *4 semester hours*
- MRKT 4546 Brand Management *4 semester hours*
- MRKT 4547 Strategic Marketing Decision Making *4 semester hours*
- MRKT 4553 Non-Profit Marketing *2 semester hours*
- MRKT 4555 Business-to-Business Marketing *4 semester hours*
- MRKT 4556 Supply Chain Management and Logistics *4 semester hours*
- MRKT 4561 Managing User Experience *4 semester hours*
- MRKT 4563 New Perspectives for Understanding Markets *4 semester hours*
- MRKT 4565 The Psychology of Selling and Consuming *4 semester hours*
- MRKT 4566 Pricing Goods and Services *4 semester hours*
- MRKT 4573 Sports Marketing *4 semester hours*
- MRKT 4574 Entertainment Marketing *4 semester hours*
- MRKT 4576 Marketing Strategy in the Global Environment *4 semester hours*
- MRKT 4583 Modern Consumer Culture *4 semester hours*
- MRKT 4593 Brand Storytelling *4 semester hours*
- MRKT 4595 Value Creation and Marketing Accountability *4 semester hours*
- MRKT 4598 Special Studies *1 TO 4 semester hours*
- MRKT 4599 Independent Studies *1 TO 4 semester hours*

## Note:

Students in the Marketing major begin by completing the Business core marketing course, BCOR 3510 Marketing and Business Communications, which is a required core business class for all business and accounting majors. **It is strongly recommended that students complete BCOR 3510 during their sophomore year.** At the beginning of their junior year, students then choose to enter one of the four specialized Marketing Curriculum Pathways: Applied Learning in Societal Transformation (A-LIST), Congruity of Interests (COIN), Marketing Analytics (MA), or the M-School Pathway. Note that admission into the M-School Pathway is competitive and based on an application process taking place in the students' sophomore year. Once in a Pathway, students must first complete the specific Foundational course(s) within that Pathway before taking any advanced MRKT elective courses or the required Capstone course within that respective Pathway. The foundational courses within the respective pathways include MRKT 3512 Customer Insights and MRKT 3513 Rethinking the Marketplace (in the A-LIST Pathway), MRKT 3512 Customer Insights and MRKT 3516 Company and Customer Mutualism (in the COIN Pathway), MRKT 3512 Customer Insights and MRKT 4517 Data-Driven Customer Insights (in the MA Pathway), and MRKT 3521 The New World of Branding and Advertising (in the M-School Pathway).

### **Requirements for the Marketing major are specific to each Pathway:**

Students in the A-LIST Pathway will complete MRKT 3512 Customer Insights and MRKT 3513 Rethinking the Marketplace, two advanced MRKT elective courses chosen from among those specifically designated as A-LIST electives, and the capstone MRKT 4593 Brand Storytelling course.

Students in the COIN Pathway will complete MRKT 3512 Customer Insights and MRKT 3516 Company and Customer Mutualism, two advanced MRKT elective courses chosen only from among those specifically designated as COIN electives, and the capstone MRKT 4595 Value Creation and Marketing Accountability course.

Students in the MA Pathway must complete MRKT 3512 Customer Insights, MRKT 4517 Data-Driven Customer Insights, MRKT 4527 Customer Relationship Management Analytics, one upper-division MRKT elective, and the capstone MRKT 4547 Strategic Marketing Decision Making course.

Alternatively, after completing BCOR 3510, Marketing students can apply for admittance into the M-School program at the end of their sophomore year. Admittance is competitive and not guaranteed; however, if accepted into the M-School, students are required to complete the five M-School specific classes in order to meet the requirements of the Marketing major. Students apply to one of two tracks within the M-School Pathway: 1) Content Creation or 2) Strategy and Management. Required classes for both tracks include MRKT 3521 The New World of Branding and Advertising and MRKT 4598 Special Studies (Creative Marketing Studio). Additional required courses within the Content Creation track include MRKT 4511 Cross-Platform Content Creation, MRKT 4598 Special Studies (Conceptual Brand Thinking) and MRKT 4598 Special Studies (Production Tools and Techniques). Additional required courses within the Strategy and Management track include MRKT 3531 Brand Planning and Strategy, MRKT 4521 Adaptive Media and Analytics, and MRKT 4598 Special Studies (Growth Marketing).

Please note that students will be permitted to begin taking their foundational course and associated required or advanced elective courses within a Pathway only after completing BCOR 3510 Marketing and Business Communications.

## Model 4-Year Plan--Bachelor of Business Administration--Marketing Major Curriculum

The following curriculum represents one possible order or sequence in which it is expected that students will take the various courses required for the B.B.A. (Marketing major) degree. Individual schedules may vary due to student qualifications, participation in Study Abroad programs, and course availability. In order to graduate within 4 years, a student should complete an average of 16 credits each semester.

### Freshman Year

#### Fall Semester

- BCOR 1910 Business for Good *2 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 13-14 semester hours

#### Spring Semester

- ECON 2300 Introductory Statistics *4 semester hours*
- MATH 112 Calculus for Business *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 18-19 semester hours

### Sophomore Year

## Fall Semester

- BCOR 2110 Financial Accounting *4 semester hours*
- BCOR 2210 Legal Environment of Business *2 semester hours*
- University Core *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

## Spring Semester

- BCOR 2120 Accounting Information for Decision Making *4 semester hours*
- BCOR 2710 Business Information Technology *4 semester hours*
- BCOR 3510 Marketing and Business Communications *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Junior Year

### Fall Semester

- BCOR 3410 Fundamentals of Finance *4 semester hours*
- BCOR 3610 Managing People and Organizations *4 semester hours*
- Marketing Foundation Course: MRKT 3512 Customer Insights (A-LIST, COIN, and MA Pathways) or MRKT 3521 The New World of Branding and Advertising (M-School Pathway) *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BCOR 3750 Operations and Supply Chain Management Analytics *4 semester hours*
- BCOR 3860 International Business *4 semester hours*
- Marketing Pathway Foundation Course (MRKT 3513 Rethinking the Marketplace for the A-LIST Pathway or MRKT 3516 Company and Customer Mutualism for the COIN Pathway or MRKT 4517 Data-Driven Customer Insights for the MA Pathway), or M-School Required Course *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Senior Year

### Fall Semester

- BCOR 4910 Business Ethics and Sustainability *4 semester hours*
- MRKT Pathway-Specific Required or Elective Course *4 semester hours*
- Elective *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

## Spring Semester

- BCOR 4970 Strategic Management *4 semester hours*
- MRKT Pathway-Specific Capstone Course: MRKT 4593 Brand Storytelling (A-LIST Pathway) or MRKT 4595 Value Creation and Marketing Accountability (COIN Pathway) or MRKT 4547 Strategic Marketing Decision Making (MA Pathway) or MRKT 4531 Creative Brand Management (M-School Pathway) *4 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 16 semester hours

# MBA Program

## Senior Director, MBA and MS Programs

Dustin Cornwell

## Contact Information

**Office Location:** Conrad N. Hilton Center for Business, Room 51

**Telephone:** 310.338.8707

**Fax:** 310.338.2899

## Introduction

The College of Business Administration offers the MBA degree designed for working professionals. There are three areas of emphasis/specialization in the MBA Program. The purpose, admission requirements, program requirements, and options are described in the pages that follow. The part-time MBA program (MBA) serves the educational requirements of working professionals who recognize the need to continue to build their careers. The Executive MBA (EMBA) is designed for the experienced business professional who aspires to executive-level responsibility.

In addition, two dual degree programs are available. Students may apply for separate admission to the Loyola Law School and earn the JD/MBA degree or apply to the Systems Engineering Leadership Program (SYEG) and earn an MBA and an MS in Systems Engineering.

## Mission Statement

The mission of the Loyola Marymount University College of Business Administration is to advance knowledge and develop business leaders with moral courage and creative confidence to be a force for good in the global community. The mission of the Loyola Marymount University MBA Program is to provide high quality graduate business education consistent with the Jesuit and Marymount traditions. The MBA Program fosters development of each student's potential to create value, handle risk, and manage change to serve both business and society. The result is the development of ethical leaders possessing the knowledge and skills to effectively manage organizations in a diverse and global economy.

To accomplish its mission, the MBA Program utilizes faculty who regularly extend the boundaries of their discipline and simultaneously demonstrate in the classroom their ability to translate theory into practice. Although teaching styles and techniques vary, all focus on the current issues and technologies that are forming and shaping the many environments of business (political, economic, social, legal, and ethical). Classes range from those that emphasize computer applications to those that delve into ethical concepts and humanistic management. The MBA curriculum is one of breadth first and specialization second. To that end, the basis of the Program is broad and integrating. Areas of specialization are built on this base. By specializing, students are able to focus some of their studies in a single area of emphasis. Additionally, numerous opportunities exist to explore various aspects of global business. These include a full-fledged International MBA Program of studies, including a unique overseas integrative experience. The high quality of the MBA Program is confirmed through its accreditation by the Association to Advance Collegiate Schools of Business.

## Admission Requirements

Once your application is complete, you will be notified by the MBA Admissions Committee within one month. The following items must be received prior to application review.

1. Applicants must apply and pay the \$50 application fee online at <https://graduate.lmu.edu/apply/>.
2. Transcripts from all colleges and universities attended. All applicants with degrees earned outside the United States must have transcripts evaluated for equivalencies to U.S. degrees.
3. Official Graduate Management Admission Test (GMAT) or Graduate Record Examination (GRE) score. Waivers for the GMAT/GRE may be granted to MBA candidates who demonstrate quantitative competency and readiness for our rigorous MBA curriculum. The waiver policy and school codes may be found at <https://mba.lmu.edu/prospectivestudents/admissionrequirements/gmatgrewaiverpolicy/>.
4. A current resume. Two years of full-time work experience preferred.
5. Applicants whose native language is not English and have not completed a bachelor's degree or higher at a university in the United States or other country where English is the primary language must submit a TOEFL score or IELTS score.
6. Personal Statement--no more than 2 pages (12-point font, double-spaced) that addresses why you are applying to the MBA program at this point in your career, what your short- and long-term goals are, and why the LMU MBA is a good fit for your professional development needs.

Students may enter the program in either Fall or Spring semesters.

Attendance in MBA classes is limited to individuals who have been admitted to the MBA program and who are registered for the class. Any exceptions to this policy must be approved by the Senior Director of MBA and MS Programs.

## Proficiency Prerequisites

All students admitted to the MBA Program must be proficient in spoken and written English composition, business mathematics, and computer applications. Successful completion of a college-level course in business math or intermediate algebra is required.

Successful completion of the Harvard Business Quantitative Methods online course is required before commencement of the first semester.

Working knowledge of Microsoft Excel required.

## **Attendance and Residence**

Students are expected to be continuously enrolled in the MBA Program. A Leave of Absence (LOA) may be granted for up to one year at the discretion of the MBA and MS Programs Director and the Office of the Registrar. If a student needs to request a Leave of Absence, the student must contact the MBA and MS Programs Office to initiate the process. Individuals who remain on leave for more than two years must formally reapply for admission. Readmission is based on the admission criteria and the curriculum that are in effect at the time of the resumption of classes.

## **Student Registration, Counseling, and Degree Works**

Registration must be completed each semester during the dates specified in the LMU Academic Calendar provided by the Office of the Registrar.

Newly-admitted students are required to meet with the MBA/MS Programs academic advisor prior to registering for their first semester of classes. In subsequent semesters, students are not required to obtain course approval for registration, unless on academic probation. Each student takes responsibility for following the curriculum plan outlined by the MBA Program exclusively. Enrolling in non-LMU MBA courses may result in credits not applying towards the MBA degree.

Students are encouraged to meet informally with faculty in their areas of interest for general and career guidance.

### **Degree Works**

The Office of the Registrar uses Degree Works to certify students for graduation, and all areas in Degree Works must show MET before the student may graduate. A student should review his or her Degree Works regularly to make sure that courses are listed in the correct areas. Degree Works may be adjusted by the student to allow for course substitutions, waived requirements, or any other variance in the program of study. These adjustments are made through the MBA and MS Programs Office.

## **MBA Program Policies**

### **Responsibility and Academic Standing**

A student is responsible for knowing academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the University. Continued enrollment is subject to compliance with the academic and administrative policies and regulations. Failure to understand the policies and regulations does not relieve a student of her or his responsibility for adhering to the policies and regulations.

A student must maintain in each semester the stated minimum cumulative grade point average for each of the requirements in the degree program. The calculation of standing is based on all courses taken at LMU. MBA students must maintain a B average (3.0) in term, major, program, and cumulative GPA, with a C or higher in every core course. The calculation is based upon courses taken in Fall, Spring, and Summer terms.

### **Academic Probation and Disqualification**

Academic probation constitutes a serious warning to students that their academic performance is unsatisfactory and continued failure to improve this record may result in being disqualified from the University. Additionally, a student who does not make satisfactory progress in the course of study is subject to probation. Further, the Dean or Director may impose restrictions on students on probation regarding the program of study and their participation in scholarship or extracurricular activities at LMU.

## **Conditions for Academic Probation**

Any MBA student who, in any semester, fails to earn a "B" (3.0) average or whose cumulative grade point average in the MBA Program falls below a "B" (3.0) will be placed on academic probation. Students on academic probation will be ineligible for scholarships and tuition remission.

## **Conditions for Disqualification**

MBA program disqualification is based upon two consecutive semesters (Fall, Spring, or Summer) in which work of less than grade of B (3.0) average is earned or in which the student fails to meet conditions imposed by the Dean or other academic entity. Summer sessions are used to calculate if a graduate student is subject to disqualification.

Disqualification terminates a student's relationship with the University. A disqualified student may not register in any division or session of the University, and is denied all privileges of the University, including all organizations or activities in any way connected to the University.

## **Academic Dishonesty**

The MBA Program abides by the LMU Honor Code in matters of academic honesty. Please refer to the Academic Degree Requirements and Policies section of the University Bulletin for more information.

## **Change of Program or Emphasis/Specialization**

A student who wishes to change a program before completing a degree must submit a new application form to the Graduate Admission Office.

A student who wishes to transfer from one emphasis/specialization to another before completing a degree must request an approval from the MBA and MS Programs Office.

## **Cross-Listed Courses**

A cross-listed course is one that carries credit in more than one department or program. Students may not enroll in more than one section of a cross-listed course and may receive credit in one department only.

## **Repeating Courses**

Students may repeat a course previously taken at LMU in a subsequent term one time only, including any withdrawals; the prior occurrence is excluded from the cumulative grade point average but remains on the transcript. Please note that although the GPA for that term will change accordingly, the academic status of the previous term will not change.

A student who earns below a C in a core course will be required to repeat that course.

## **Grade Appeals**

Please refer to the Academic Degree Requirements and Policies section of the University Bulletin for more information.

## **Incomplete Grades**

"I" (Incomplete) indicates that the student has not completed the work for a given course. The student must remove the "I" in order to qualify for graduation. Students who wish to retake the course must pay regular tuition for the repeated course.

When a professor has granted an "I," it is the student's responsibility to arrange a deferred grade. The professor submits a "Deferred Grade Form" with the final grade to the Office of the Registrar.

Any graduate student who in a given term receives a grade of I (Incomplete) for a course and who subsequently completes the course will receive a grade that is retroactive to the term when the student first registered for the course with all the impact it entails on the student's academic standing.

## **Independent Study**

Independent Studies classes must be sponsored by a full-time faculty member and approved by the Associate Dean. Independent Studies can only be invoked once during a student's MBA program.

There are time constraints associated with an Independent Studies course. The approval process for Independent Studies must be completed during the semester prior to the semester during which the student expects to enroll in the Independent Studies course.

All questions about Independent Studies should be directed to the Faculty Advisor. The Faculty Advisor is the arbiter of the process facilitating Independent Studies.

## **Academic Advising**

An Academic Advisor is available for all MBA students to assist in navigating through the Program curriculum.

Advising is optional, unless a student is on academic probation, in which case the student must be advised prior to registration. MBA Advisor Holds will be placed on the student's record and not removed until the student has been advised.

## **The Jesuit MBA Network**

### **Jesuit MBA Transfer Network**

Students from schools that are parties to the Multilateral Agreement may complete their degree requirements at another Agreement School, subject to the admission standards of the receiving school. Other conditions may apply as well.

LMU MBA students who have completed more than half of their degree requirements may take courses that apply towards their LMU degree requirements at another Jesuit-affiliated school and still receive their degree from LMU, assuming that they take the courses approved by the LMU MBA Program and earn at least a B in each course.

Those students who have completed less than half of their degree requirements at LMU may transfer to another Jesuit-affiliated school, assuming they meet the receiving school's admission standards, and receive credit for some or all LMU coursework to apply towards the degree requirements at the receiving school. The receiving school determines the transfer credits they will accept.

LMU will only accept courses towards the degree with grades of B or better.

A student who transfers to LMU from another Jesuit MBA program is required to maintain the standards of graduate students at LMU and is governed by the guidelines established within the University Bulletin. For more information about the Jesuit Transfer Network, visit <http://jesuitmba.org/>.

Students who transfer in from other Jesuit MBA Programs but will be receiving their degree from their original school are considered Visiting Students (non-degree).

All participating institutions have the right to deny individual applicants. Each institution will employ the right to enforce its own university standards.

LMU prefers Jesuit MBA Network transfers for the Fall term but will consider other semesters.

## **International Study Classes**

Students may take no more than one (1) MBA international study summer program class offered by another Jesuit institution.

### **Dual-Degree**

#### **Dual M.S. in Civil Engineering/Master of Business Administration**

Dual M.S. in Civil Engineering/Master of Business Administration

#### **Dual M.S. in Computer Science/Master of Business Administration**

Dual M.S. in Computer Science/Master of Business Administration

#### **Dual M.S. in Electrical in Electrical Engineering/Master of Business Administration**

Dual M.S. in Electrical in Electrical Engineering/Master of Business Administration

#### **Dual M.S. in Environmental Science/Master of Business Administration**

Dual M.S. in Environmental Science/Master of Business Administration

#### **Dual M.S. in Healthcare Systems Engineering/Master of Business Administration**

Dual M.S. in Healthcare Systems Engineering/Master of Business Administration

## **Dual M.S. in Mechanical Engineering/Master of Business Administration**

Dual M.S. in Mechanical Engineering/Master of Business Administration

## **Dual M.S. in Systems Engineering/Master of Business Administration**

Dual M.S. in Systems Engineering/Master of Business Administration

## **J.D./M.B.A. Dual Degree Program: Doctor of Jurisprudence and Master of Business Administration Degrees**

Only full-time law students and those applying to the full-time division of the Law School may apply for admission into the JD/MBA Program.

The JD/MBA Program is designed for the full-time student who wishes to combine his/her graduate studies in law and business administration. It requires an intensive full-time commitment and superior capability to handle the academic rigors of two equally intensive graduate programs.

All students enrolled in the JD/MBA Program are required to comply with the requirements of both the Law School and MBA Program with the exception of the GMAT requirement. Please refer to the Loyola Law School Student Handbook and this University Bulletin for clarification on policies governing graduate students.

### **JD/MBA Admissions**

Applicants to the JD/MBA Program must first apply and be accepted separately to both the Law School and the MBA Program. Applicants must successfully complete the first year of Law School before they are eligible to apply to the JD/MBA Program. Acceptance to both schools does not guarantee admission to the JD/MBA Program.

Applicants to the JD/MBA Program are due in the Law School Admissions Office by June 15 at the conclusion of the applicant's first year at the Law School.

### **Course of Study**

Students enrolled in the JD/MBA Program plan a specific course of study with the MBA Program and the Loyola Law School. 12 units of law course work will apply to MBA Program, reducing MBA requirement to 39 semester hours.

### **Suggested JD/MBA Curriculum Flowchart**

#### **Fall Semester**

- MBAW 6400 MBA Orientation *2 semester hours*
- MBAA 6020 Financial and Managerial Accounting *3 semester hours*
- MBAA 6030 Global Economic Structures and Systems *1.5 semester hours* (8-week course)

- MBAA 6040 Managing Markets and Customer Relationships *3 semester hours* (8-week course)
- MBAA 6050 Managing Operations *1.5 semester hours* (8-week course)
- MBAA 6090 Managing Information Systems *3 semester hours* (8-week course)
- MBAW 6402 The Elements of Becoming A Strategic Leader *1 semester hours*

## Spring Semester

- MBAA 6010 Managing People and Organizations *3 semester hours*
- MBAA 6060 Strategic Management *3 semester hours*
- MBAA 6070 Managing Financial Resources *3 semester hours*
- MBAA 6080 Data, Models, and Decisions *3 semester hours*

## Summer Session

- MBAA 6100 Managing International Business *3 semester hours*

## Spring Semester

- MBAW 6307 Management Leadership Workshop: Planning Your Future *0 semester hours*
- Elective *3 semester hours*

## Summer Session(s)

### International Experience

- Comparative Management Systems (CMS) *6 semester hours*

Total Degree Requirement: 39 semester hours

## Masters

### **Business Administration, M.B.A.**

## **MBA Degree Program**

To qualify for the Master of Business Administration degree, the admitted student must satisfy the requirements of 17 courses. MBA course descriptions and prerequisites are listed in the University Bulletin. Course syllabi are available on the MBA student page on Brightspace.

## Learning Outcomes

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.

- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## MBA Course Categories

Five broad divisions of courses exist in the MBA Program: Orientation, workshops, the core, emphasis (or concentration) courses, and the international experience. Total semester hours requirement is 51 semester hours.

The completion of the program includes:

- 1 Orientation (2 days)
- 11 Core Classes
- 2 Workshops
- 3 Emphasis (concentration) courses
- 1-2 Elective courses
- 1 International Experience

## Core Curriculum

The core curriculum consists of a Pre-Program Orientation weekend held before classes commence and 2 workshops throughout the first two years. In addition, 11 specific courses that comprise the common body of knowledge of business administration as defined by the Association to Advance Collegiate Schools of Business (AACSB International).

Core courses are prefixed M<sub>BAW</sub> for the MBA Orientation and workshops, and M<sub>BAA</sub> 6010-6100 represent the core curriculum.

Core courses are described in the next section. They include the following:

- M<sub>BAA</sub> 6010 Managing People and Organizations *3 semester hours*
- M<sub>BAA</sub> 6020 Financial and Managerial Accounting *3 semester hours*
- M<sub>BAA</sub> 6030 Global Economic Structures and Systems *1.5 semester hours*
- M<sub>BAA</sub> 6040 Managing Markets and Customer Relationships *3 semester hours*
- M<sub>BAA</sub> 6050 Managing Operations *1.5 semester hours*
- M<sub>BAA</sub> 6060 Strategic Management *3 semester hours*
- M<sub>BAA</sub> 6070 Managing Financial Resources *3 semester hours*

- MBAA 6080 Data, Models, and Decisions *3 semester hours*
- MBAA 6090 Managing Information Systems *3 semester hours*
- MBAA 6100 Managing International Business *3 semester hours*
- Business and Society Requirement *3 semester hours*

Satisfied by taking one of the following courses:

- MBAE 601 The Legal and Ethical Environment of Business *3 semester hours*
- MBAE 650 Environmental Strategy *3 semester hours*
- MBAE 651 Ethical Issues in Business *3 semester hours*
- MBAH 650 Social Entrepreneurship *3 semester hours*

### Note:

Several topics which are vital to the common body of knowledge in business are not directly referenced in the titles of the 11 core courses. These topics include the following: business ethics, social influences, political influences, computer applications, organizational theory, interpersonal communications, integrating analysis, and the international dimension of business. Because of their critical nature for emerging business leaders, many of these topics are included as major elements within each core course.

Due to the MBA program's flexible design, certain courses are eight weeks in duration, while others are 16 weeks long; please note that courses may begin on the first day of a new semester, or mid-semester based on course length.

## Area of Emphasis/Specialization

Depth in a specialized field of knowledge is obtained by the selection of three courses within one of three designated areas of emphasis. For example, a student who plans on selecting MBAF: Finance as their area of emphasis/specialization must take 3 MBAF advanced courses to fulfill the area of emphasis/specialization requirement. These specializations and their course designator prefixes are listed below:

- MBAC: Marketing
- MBAF: Finance
- MBAH: Entrepreneurship

## International Experience

The international experience is designed to draw together the knowledge gained in the MBA program into a combined focus.

Comparative Management Systems (CMS), MBAI 690 and MBAI 691

This integrative course requires prep activities in the Fall and Spring semesters prior to the approximately two-week travel taken in the first Summer Session. Prior to departure, students participate in a corequisite advanced elective course, MBAI 690 International Regional Strategies: Cultural and Industrial, during which they perform area studies of the nations to be visited and participate in seminars conducted by area and industry specialists. The industries visited are held constant for each annual CMS Program. Students are grouped by business functional areas and meet with executives from those areas in each firm visited. Group papers and presentations comprise final outputs for the course.

## Executive MBA

Director of the Executive MBA Program: Joe O'Hannigan

# Contact Information

**Office Location:** Conrad N. Hilton Center for Business; Center for Executive Learning

**Telephone:** 877.LMU.8585 (877.568.8585)

**Fax:** 310.338.1890

**E-mail:** [emba@lmu.edu](mailto:emba@lmu.edu)

**Website:** <http://emba.lmu.edu>

## Introduction

The LMU EMBA is designed for accomplished working professionals to build the core business competencies and insights required for executive leadership. The 20-month program offers:

- First rate faculty comprised of academic and industry leaders
- Rigorous curriculum that melds the latest research and industry best practices
- Small, collaborative class with successful, highly motivated peers
- Saturday-only classes that minimize work conflicts
- Professional and career development fully supported by executive coaching
- Conveniently-located campus in the heart of "Silicon Beach"
- Unique OnBoarding Program that prepares you to go back to school and get the most out of your EMBA.

The program begins in August year one and ends in May year two.

## Application Process

The Executive MBA program requires a Bachelor's degree with an acceptable level of scholarship from an accredited institution of higher learning and eight or more years of increasing responsibility in professional, management, or entrepreneurial positions.

Admission to the Executive MBA program is individualized and based on a candidate's potential to pursue graduate study. Each candidate is evaluated on the cumulative evidence received including, but not limited to, work and management experience, career accomplishments, potential for advancement, letters of recommendation, personal interview, information provided in the application form, undergraduate and graduate (if any) record, and GMAT (if required). Admission is based without regard to race, creed, color, gender, sexual orientation, national origin, age, or disability.

## How to Apply

Application deadline is July 8. Applications received after the deadline will be considered if spaces are available.

- **Schedule your personal interview**  
Candidates for the Executive MBA must have an interview with a member of the admissions committee. If you are considering candidacy, you are encouraged to interview early in the admissions process to assess the fit between the program and your experience, expectations, and personal development needs, and to determine if you are required to take the Graduate Management Admission Test (GMAT).
- **Complete the online application for admission:** [https://mylmu.co1.qualtrics.com/jfe/form/SV\\_0q7rIsGuLK8mt4V](https://mylmu.co1.qualtrics.com/jfe/form/SV_0q7rIsGuLK8mt4V).
- **Include a \$100 application fee (non-refundable)**  
Your check should be made out to Loyola Marymount University. If a check is written for you by someone else, please

make sure your name appears on it. You may also pay online at [https://lmutpg.lmu.edu/C20995\\_ustores/web/product\\_detail.jsp?PRODUCTID=451&SINGLESTORE=true](https://lmutpg.lmu.edu/C20995_ustores/web/product_detail.jsp?PRODUCTID=451&SINGLESTORE=true). *Application fee is waived for active duty military members and veterans.*

- **Send for official transcripts from all colleges and universities attended**  
Official records must be sent directly from the registrar of the issuing institution to EMBA Admissions. Transcripts submitted will not be returned, nor will copies be forwarded by LMU to other institutions.
- **Request two letters of recommendation**  
You should request these from persons with whom you have closely worked and who can evaluate your abilities, accomplishments, and potential. Where applicable, one letter should come from your supervisor. Here is the link to the letters of recommendation:  
<http://emba.lmu.edu/media/lmucollegeofbusinessadministration/responsivesite/emba/EMBA%20Letter%20of%20Recommendation.pdf>.
- **Provide the official score of your Graduate Management Admission Test (GMAT), if required**  
The Graduate Management Admission Test (GMAT) is required only if your prior academic work and professional experience does not show clear evidence of strong quantitative and analytical reasoning skills. A determination that the GMAT is required will be made after your personal interview and application screening. If the GMAT is required, your results should be sent to EMBA Admissions (ETS code 4403). The GMAT is a computer-adaptive test (CAT) that is available year-round at test centers throughout the world. Visit the MBA Explorer® website at <http://www.mbaexplorer.com> for quick answers to most of your questions and the latest GMAT information. If you have additional questions, contact an Educational Testing Service customer service representative at 609.921.9000. Telephone lines are open Monday through Friday, 8:00 a.m. to 8:00 p.m., EST.
- **Review and Notification**  
A formal notice will be sent to each candidate after the application and complete records are received, the interview conducted, and the admission committee has made its recommendation. If you are admitted, you will be expected to confirm your commitment with a non-refundable payment of \$1,000. This pre-payment will be applied to tuition charges and will reserve one of the LMU EMBA positions for you.

## Summary--The Application Essentials

SCHEDULE INTERVIEW: Early interview suggested

COMPLETE: Application with \$100 fee

HAVE SENT:

- Transcripts
- 2 Letters of Recommendation
- GMAT Score, if required

SEND TO:

EMBA Admissions  
Center for Executive Learning  
Loyola Marymount University  
1 LMU Drive, MS 8386  
Los Angeles, CA 90045-2659

## The Executive MBA Curriculum

The Executive MBA curriculum employs a modular structure with the focus shifting from analysis and evaluation in the first half of the program to strategic application and execution in the second half of the program. The 20-month, 56-credit-hour program is presented in four modules. The learning process is accomplished through three levels of integration.

**Knowledge Content:** To enhance relevance of core business concepts to the workplace, knowledge content (finance, accounting, economics, business analytics, marketing, leadership, performance management, and strategy) is presented by instructors with significant real-world experience in theme-based modules that closely approximate their application in real-world situations.

**Managerial Competencies:** Core managerial competencies (problem solving and decision making, communicating and interpersonal relations) are used to integrate and enhance the application of knowledge, experience, and learned concepts into the workplace.

**Integrated Learning Environment:** Relevance and enhanced retention are enabled through action-based assignments, illustrative real-world cases studies, integrated skill application projects, and on-scene domestic and international field trips.

The major components of the program are the classroom experience, skills application projects, structured residencies, and experiential learning.

## Classroom Experience

Classroom sessions are comprised of presentations by academic and business leaders. Learning is facilitated through interaction between participants and faculty, exercises approximating real management issues, case studies, and exploring management concepts found in readings and text materials. Individual skill development is stressed, with the aim of equipping executives with strategies they can use to improve their own decision-making and leadership capabilities.

## Skill Application Projects

Skill application projects provide important experiential learning by using business concepts learned in the classroom to solve real business problems. Each module or major curriculum focus uses a team project to facilitate the transference of knowledge into practical application. Projects are real business issues faced every day, such as a merger or acquisition, ethical decisions, opening new markets, major reorganization, or a functional business problem. Web-based group interaction and e-mail are used to facilitate completion of group assignments.

## Learning Experiences

Learning experiences provide unique educational opportunities that augment classroom instruction. These are fully integrated into the curriculum and also provide experiential learning in the actual practice of management.

- **Executive Leadership Retreat**  
You begin the Executive MBA program with a four-day residential retreat where we help you set learning goals, form study teams, and engage in a variety of workshops and team-building exercises. We also include a workshop for our students and their spouses/significant others addressing the importance of achieving balance between family, work, and school.
- **Innovation, Entrepreneurialism, and Leadership Practicum**  
After completing Modules 1 and 2 in Year One, students will study innovation, entrepreneurialism, and leadership during a structured summer program. The innovation component will explore the key organizational factors that facilitate innovative process, including a domestic field trip to some of the nation's most innovative companies. The entrepreneurialism component will examine the new venture start up process, identifying the elements critical for success. The leadership practicum will provide a forum for experiential learning and team building.
- **International Trip**  
During Year Two, you will take a field trip to one or more major, non-U.S. business centers that will broaden your understanding of what it takes to manage in today's global business environment. In recent years, we have traveled to South America, China, India, Southeast Asia, South Africa, and Europe. Our students regularly cite the visit as a highlight of the program.

# Expectations for Executive MBA Students

The Executive MBA is a cohort program where students proceed through a fixed curriculum as a group. Learning is facilitated through collaborative assignments where students work closely with each other, with faculty, and within study teams. A significant and critical part of the learning is achieved through open and honest dialog with fellow students and faculty.

Learning in the program depends heavily on how students interact with and work with other classmates. Students are expected to develop an awareness of self that requires a willingness to engage in self-discovery, to look at oneself objectively, and to respect the opinions and perspectives of fellow classmates, faculty, and administrators. Students agree to and accept the following guidelines:

- Fully engage and participate in class discussion
- Actively participate in regular team meetings and activities
- Fulfill commitments made to the team including homework and team projects
- Support other team members
- Actively work to create a high performance team
- Be open to feedback from faculty, team members, and class members
- Provide feedback to team members and class members
- Treat fellow students, faculty, and administrators with mutual respect

Failure to adhere to these guidelines may result in dismissal from the program.

## The EMBA Curriculum Sequence

The EMBA is built and organized around key business challenges, with courses that integrate core business concepts and tools with real business situations to address these challenges. Credit hours for an individual course may vary from .5 to 4 semester hours, and some courses may not be offered for each class, or in the module indicated; however, total credit hours is 56 semester hours. The MBA degree is awarded by the College of Business Administration upon successful completion of the program.

The LMU EMBA program consists of 56 semester hours taught over four modules and a summer session between the first and second years. Each module approximates a normal semester. The curriculum is integrated, which means that key concepts are addressed across courses and across modules. The sequence moves from acquiring business knowledge, to applying knowledge in real-world settings at the organizational level, to using knowledge and skills for making strategic decisions and leading change at the firm level.

## Leadership Retreat

- MBAP 6810 Introduction to Executive Leadership 2.5 *semester hours*

Total: 2.5 semester hours

## Module 1: Business Foundations

This module introduces fundamental leadership principles, and quantitative and analytical skills required for executive management.

The module includes:

- MBAP 6110 Financial Accounting 2 *semester hours*
- MBAP 6310 Business Insights 2 *semester hours*

- MBAP 6330 Applied Business Economics *1 semester hours*
- MBAP 6410 Marketing Management *2.5 semester hours*
- MBAP 6510 Executive Communications I *1 semester hours*
- MBAP 6820 Leadership Foundations *2 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*

Total: 11.5 semester hours

## Module 2: Building and Leading High Performance Organizations

This module builds on the foundational skills introduced in Module 1. Courses focus on strengthening the decision-making skills and capabilities required for executives to build and lead a high performing organization.

The module includes:

- MBAP 6120 Managerial Accounting *2 semester hours*
- MBAP 6210 Fundamentals of Finance *2 semester hours*
- MBAP 6320 Big Data, Analytics, and Organizational Decision-Making *1 semester hours*
- MBAP 6340 Applied Macro Economics *1 semester hours*
- MBAP 6520 Executive Communications II *1 semester hours*
- MBAP 6610 Human Capital Management *2.5 semester hours*
- MBAP 6650 Management and the Technological Future *1 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*
- MBAP 6850 Ethics and Spirituality in the Workplace *.5 semester hours*

Total: 11.5 semester hours

## Summer: Innovation and Entrepreneurialism

The Summer Session examines the role of leadership in managing innovation, new venture startups, and team building.

The program includes:

- MBAP 6880 Leadership Practicum *1 semester hours*
- MBAP 6910 Managing Innovation *3 semester hours*
- MBAP 6920 Field Study: Innovation in Practice *2 semester hours*
- MBAP 6950 New Venture Start Up *3 semester hours*

Total: 9 semester hours

## Module 3: Strategy in the Global Business Environment

Courses in this module focus on providing executives with a strategic mindset and the capabilities required for organizations to compete and win in the global business environment.

The module includes:

- MBAP 6220 Corporate Finance and Capital Markets *2 semester hours*

- MBAP 6420 Strategic Marketing *3 semester hours*
- MBAP 6670 Strategic Management *2.5 semester hours*
- MBAP 6710 Strategic Opportunity Assessment *.25 TO 1.25 semester hours*
- MBAP 6750 Business in the International Environment I *2 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*
- MBAP 6850 Ethics and Spirituality in the Workplace *.5 semester hours*

Total: 11.25 semester hours

#### Module 4: Executive Leadership in Practice

The focus of this module is executive leadership in practice. Courses integrate the insights and skills gained in prior modules, applying them in the program's capstone international-based project and the leader's role in managing major organizational transformations.

The experience includes:

- MBAP 6230 Financing Expansion and Resolving Growth Issues *1.5 semester hours*
- MBAP 6710 Strategic Opportunity Assessment *.25 TO 1.25 semester hours*
- MBAP 6720 Strategic Opportunity Implementation *3 semester hours*
- MBAP 6730 International Negotiations *.5 semester hours*
- MBAP 6760 Business in the International Environment II *1.5 semester hours*
- MBAP 6830 Executive Leadership *1.5 semester hours*
- MBAP 6840 Professional Development *.5 TO 1.5 semester hours*
- MBAP 6850 Ethics and Spirituality in the Workplace *.5 semester hours*

Total: 10.25 semester hours

Total: 56 semester hours

# **LMU College of Communication and Fine Arts**

## **LMU College of Communication and Fine Arts**

### **Administration**

Dean: Bryant Keith Alexander  
Associate Dean: Michele Hammers  
Assistant Dean: Elaine P. Walker

### **Mission of the College**

Grounded in and sustained by a significant commitment to an excellent liberal education, the LMU College of Communication and Fine Arts aims to promote the Mission of Loyola Marymount University in the following ways:

*Foster the encouragement of learning in all of our academic programs and endeavors;*

*Contribute in a distinctive way to the education of the whole person;*

*Create in our own community and in the larger community beyond LMU the individual and collective resources and orientations that will allow us to create a more compassionate and just world.*

The College of Communication and Fine Arts creates an environment conducive to understanding the complex phenomena of art and art making as well as human communication in all its diverse forms. Driven by a passionate commitment to study, understand, and experience human creative expression requires that we assist students and our various publics in adopting a critical and discerning orientation to human artistic and communicative expression. We develop both the capacity for human artistic expression and the capacity for other forms of communication as life-enhancing opportunities to promote the common good and contribute to the full development of our students, faculty, staff, alumni, and those we serve beyond LMU.

Our undergraduate programs in Art and Art History, Communication Studies, Dance, Music, and Theatre Arts and our graduate program in Marital and Family Therapy (grounded in clinical art therapy) foster deep inquiry into the processes and artifacts of human expression and their capacity to shape life's experiences, meanings, and expectations. We are intrigued by the ways in which art and communication reveal human interiority in all its mysterious and complex diversity. Ultimately, our shared objective is to create and sustain a learning community composed of individuals, each more fully alive, more capable of experiencing life in all its complexity, in order to assist all to live more meaningful and productive lives. Our educational programs and personal interactions with students motivate them to continue learning throughout their lives. Our courses and programs are embedded in a learning community characterized by close contact between faculty, staff, and students that encourages students and their mentors to realize our individual and collective potential to make meaningful contributions to a world in need of our most discerning intelligence and our most creative and compassionate responses. In order to respond most effectively to a challenging and diverse world, the College develops its curricular and program initiatives to promote specific student learning outcomes, developing in them the capacity to make informed, capable, and compassionate contributions through their professional lives and their personal relationships.

### **College of Communication and Fine Arts Student Learning Outcomes**

By engaging and fully participating in academic programs in the College of Communication and Fine Arts, our students should develop a critical understanding of:

- The history, theories, techniques, approaches, and orientations appropriate to their academic disciplines in the arts, communication studies, and marital and family therapy (clinical art therapy)
- The ways this body of knowledge and its distinctive under-standings relate to and inform other ways of knowing and other forms of human expression in all its diversity
- The significant consequences and potentially transformative impact of our individual and collective capacity to create or to communicate something that would not exist were it not for our own expression.

By engaging and fully participating in academic programs in CFA, our students should be able to:

- Integrate and incorporate the knowledge of their disciplines into their own work in a creative and increasingly accomplished way
- Develop the capacity to be receptive to the critiques of others and to be deeply self-reflective about their own work
- Experience their work as central to their own personal development and accept their responsibility to other people and the world we share
- Offer discerning responses to the human expressions and created art works of others
- Collaborate with others in exploring how to create and communicate, bringing the interior world of our private selves into the public sphere in ways that engage and enlighten.

By engaging and fully participating in academic programs in CFA, our students should value:

- Imagination, intuition, and spirituality as an essential part of life
- The power of human creativity and human communication to transform our innermost private lives and our relationships in an increasingly diverse and complex public sphere
- The complexity and diversity of human experience reflected in an openness to respond to other people from varied backgrounds, cultures, and belief systems in a socially just and compassionate way
- The role that the arts and communication play in creating and re-creating cultures, meanings, and expectations that shape our lives in profound ways.

## **Application of General University Requirements**

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the College of Communication and Fine Arts.

## **Teacher Preparation Program**

The College of Communication and Fine Arts offers a subject matter preparation program in art education specially designed to meet the State of California subject matter requirements for a secondary credential. The Bachelor of Arts degree with an emphasis in Art Education is designed to allow completion of the California Preliminary Single Subject (Secondary) credential in four years. This program is offered in conjunction with the School of Education. All students interested in teaching art at a secondary level should contact Teresa I. Lenihan as soon as possible and should also contact the School of Education to arrange a time to attend an Undergraduate Information Session.

## **College Curriculum**

The curriculum of each department in the College of Communication and Fine Arts incorporates required courses in general education, major sequences, and elective courses which complement and enhance the student's major field of concentration.

## Total Program

120 semester hours are required for graduation with the following distribution (Dance, Music, Studio Arts, Theatre Arts):

1. At least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the College of Communication and Fine Arts.

124 semester hours are required for graduation with the following distribution (Art History, Communication Studies)

1. At least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the College of Communication and Fine Arts.

## Individualized Study Program

Admission to the Individualized Study Program in Communication and Fine Arts is granted in limited cases based on a series of discipline-based requirements. In all cases a student must have:

1. A B (3.0) grade point average.
2. The submission of an Individualized Study Program form delineating courses and signed by the student's advisor and the chairperson of the advisor's department.
3. The submission by the advisor of a complete curriculum.
4. The signature of the Dean(s) of the College(s) where coursework resides.

All subsequent changes in the Individualized Study Program require points 2, 3, and 4 above.

Students registering for an Individualized Study Program are advised that their diploma and transcript will read "Individualized Study" and not the specific major they elect within that program.

## Art and Art History

### Faculty

Chairpersons: Damon Willick (Art History Chair), Saeri Cho Dobson (Studio Arts Chair)

Professors: Michael Brodsky, Jane Brucker, Han Dai-Yu, Saeri Cho Dobson, Rudolf Fleck, Dmitry Kemell, Garland P. Kirkpatrick, Teresa I. Lenihan, Diane M. Meyer, Teresa Muñoz, Kirstin J. Noreen, Rev. Michael R. Tang, Damon Willick

Assistant Professors: Amanda Herring, Melody N. Rodari

Clinical Assistant Professors: Masaru (Macha) Suzuki, Selwa Sweidan

Artist-in-Residence Clinical Assistant Professor: William Pupa

### Mission

Within the framework of the University's mission, the Department of Art and Art History is committed to giving students educational opportunities combining creativity, professional, and scholarly study in the visual arts.

### Objectives

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

## **Degrees**

Two majors are offered, Studio Arts and Art History.

Students may also complete a minor.

The Department is a fully accredited member of the National Association of Schools of Art and Design.

## **Semester Hours**

For studio classes, a semester hour of credit, one unit, represents three hours of work each week. In lecture and seminar courses, an hour of credit represents one hour each week in class and two hours of work outside of class.

## **Bachelors**

### **Art History, B.A.**

The major in Art History is designed to increase the student's understanding of the meaning and purpose of the visual arts across cultures and time. Utilizing an interdisciplinary approach, courses examine the historical development, formal expression, and societal role of visual culture, art, and architecture.

### **Goals for Art History Majors**

Courses expose students to a broad understanding of world history through the visual arts, providing a full awareness of the historical, theoretical, and cultural contexts of the works of art. In addition, classes foster excellent research skills, critical thinking, and advanced writing in preparation for graduate studies or professional careers.

### **Objectives**

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

### **Student Learning Outcomes**

Students majoring in Art History should be able to:

- Demonstrate that they comprehend historical contexts for diverse artistic traditions.

- Exhibit knowledge of the impact of diverse cultural contexts on the production and understanding of artistic traditions.

Students majoring in Art History should know:

- Methods for analyzing works of visual culture, art, and architecture within their appropriate historical, social, religious, and philosophical contexts.
- How to think critically and articulate clear ideas about visual culture, art, and architecture and their historical and contemporary significance.
- The necessary research and writing skills to formulate and articulate meaningful statements and documents on visual culture, art, and architecture.

Students majoring in Art History are presented with the opportunity to value:

- The aesthetic, theoretical, and historical properties of works of visual culture, art, and architecture.
- The power of visual culture to communicate deep human ideas and emotions.

## Major Requirements

### Lower Division Requirements:

ARHS 2000, ARHS 2002, ARHS 2004, and one lower division Studio Arts course.

### Upper Division Requirements:

A total of a minimum of 24 semester hours of upper division courses, including:

- At least 2 non-Western Art History classes (minimum of 3 semester hours per class) from the following listings: ARHS 33xx or ARHS 43xx
- At least 3 additional Art History classes (minimum of 3 semester hours per class). It is recommended that students select coursework with an advisor to ensure geographic and chronological breadth of subject matter.
- ARHS 4800

### Required:

A total number of 39 semester hours for the Art History major. To meet the total number of required semester hours, students may need to take additional upper division art history electives.

A minimum cumulative GPA of 2.0 (C) must be obtained in the major requirements.

A minimum cumulative GPA of 2.5 is required for changing a major into the department.

### Highly Recommended:

One full year of college-level foreign language (French or German recommended if considering graduate school).

## Art History Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ARHS 2000 Foundations of Western Art *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

## Spring Semester

- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

## Sophomore Year

### Fall Semester

- ARHS 2004 Modernism *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- ARHS Upper Division *4 semester hours*
- Lower Division ART Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours

## Junior Year

### Fall Semester

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours* or
- ARHS Upper Division *4 semester hours*
- ARHS Upper Division - Non-Western *4 semester hours*
- University Core *3-4 semester hours*
- Elective (Language Recommended) *4 semester hours*

Total: 15-16 semester hours

## Spring Semester

- ARHS Upper Division - Non-Western *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective (Language Recommended) *4 semester hours*

Total: 14-16 semester hours

## Senior Year

### Fall Semester

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours* or
- ARHS Upper Division *4 semester hours*
  
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- ARHS Upper Division *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

### Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Studio Arts, B.A.

### Description and Goal

The B.A. in Studio Arts provides a broad conceptual and formal foundation in the fundamental principles of art design and technology within a liberal arts education.

Students develop visual and cultural literacies through: Individual artistic, creative, and theoretical exploration; Art-historical, exhibition-oriented, and curatorial endeavors; Interdisciplinary and entrepreneurial engagements; a social justice oriented lens.

Using the creative landscape of Los Angeles, the programs in studio arts provide a student-focused art and design education which prepares them for careers and/or graduate studies in the fine arts, graphic design, multimedia arts, and art education disciplines.

Students are required to declare their chosen emphasis during the first semester sophomore year. Entering transfer students are required to declare their chosen emphasis at the time of registration for classes.

The goal of all areas is to encourage individual creative exploration and to develop student understanding of artistic and cultural expression.

## Objectives

The philosophy of the Department rests on the premise that its students should receive a broad education that combines creativity and scholarly study. Two majors are offered, Studio Arts and Art History. The foremost objective is to prepare students intellectually and professionally for a career in Studio Arts and Art History and/or graduate studies. Courses offered to undergraduate majors and non-majors stress the cultural value of the visual arts.

## Student Learning Outcomes

Students majoring in Studio Arts (STAR) should know:

- The basic definitions, concepts, and techniques in visual arts
- How to discover their unique capabilities and personal artistic expression
- How to solve creative and aesthetic problems in the visual arts.

Students majoring in Studio Arts (STAR) should be able to:

- Represent a distinct sensibility
- Make artistic decisions based on an awareness of traditional and current art movements and technological advancements
- Expand their cultural and critical view of the history of art
- Critically analyze and assess artworks and concepts
- Prepare a portfolio needed to enter graduate studies or a professional career.

Students majoring in Studio Arts (STAR) are encouraged to value:

- The on-going learning and development of overall technical knowledge
- The abilities of others
- Expertise in the arts
- The awareness of art history within the larger human context
- The pursuit of new skills and insights for personal growth
- Service to others and the promotion of justice.

## General Information

Students in Studio Arts (STAR) are expected to engage in studio work in addition to scheduled class time. Most studios are open to enrolled students outside of class time on a 24-hour basis. For studio classes, students should anticipate approximately three hours of outside of class studio work every week for each semester hour of course credit. In lecture and seminar courses, students

should anticipate approximately one hour each week in class and two hours of work outside of class for each semester hour of course credit.

## Required:

- A minimum cumulative GPA of 2.0 (C) must be obtained in the major requirements.
- A minimum cumulative GPA of 2.5 or the Consent of the Chair is required for changing a major into the department.

## Art Education Emphasis (ARTE)

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for a career in education or other related careers. Students interested in teaching the visual arts in public secondary schools and earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Education (EDUC), and the requirements for a single subject credential in Art (SECR). With the help of their advisors, students can carefully design a schedule to complete this credential program during their four years at LMU. Students who seek graduation with an Art Education Emphasis and a teaching credential should ideally declare the Art Education Emphasis as a freshman. This art education program is offered in collaboration with the School of Education and is considered a waiver to the CSET in Art exam, a credential requirement that demonstrates subject matter competency in fine arts. The LMU Secondary Teacher Preparation Program in Art is approved by the California Commission on Teacher Credentialing. Along with this undergraduate credential pathway, ARTE is also an excellent foundation for students interested in going on to graduate studies in education or art education, and related fields such as art therapy, museum education, social practice, and arts management.

## Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take POLS 1200 U.S. Politics that fulfills the Constitution requirement and the Understanding Human Behavior Core requirement.

## Lower Division Requirements

27 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*

Foundation Studio Arts focus: *3 semester hours*

- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 278 Ceramics I: Earth and Art *3 semester hours* or
- ART 280 Photography I *3 semester hours* or
- ART 285 Introduction to Printmaking *3 semester hours*

## Recommended Course

- ART 210 Portfolio Workshop in Studio Arts *1 semester hours*

## Upper Division Requirements

29 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
- ART 490 Senior Design Thesis *3 semester hours* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours*
- 9 semester hours of Upper Division ART Electives \*
- ARHS 4630 Contemporary Art *4 semester hours*

## A Non-Western Art History Course

Choose one class from:

- ARHS 3311 Pre-Columbian Art *4 semester hours*
- ARHS 3331 Arts of Africa *4 semester hours*
- ARHS 3341 Arts of Islam *4 semester hours*
- ARHS 3351 Arts of Asia *4 semester hours*
- ARHS 4301 Arts of India *4 semester hours*
- ARHS 4303 Arts of China *4 semester hours*
- ARHS 4305 Arts of Southeast Asia *4 semester hours*
- ARHS 4307 Arts of Japan *4 semester hours*
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)

## Note:

### **\*Studio Arts Focus Requirement:**

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts Focus. Courses must be selected under the advisement of the Director of Art Education.

## Art Education Emphasis Model Four-Year Plan

### Freshman Year

### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

### Spring Semester

- ART 154 Drawing II: Figure Drawing *3 semester hours* (Studio Arts Focus Lower Division) or
- ART 278 Ceramics I: Earth and Art *3 semester hours* (Studio Arts Focus Lower Division) or
- ART 280 Photography I *3 semester hours* (Studio Arts Focus Lower Division) or
- ART 285 Introduction to Printmaking *3 semester hours* (Studio Arts Focus Lower Division)
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (recommended)
- ART 260 Computer Graphics I *3 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

### Sophomore Year

#### Fall Semester

- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- ART Upper Division - Intermediate Studio Arts Focus *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

### Junior Year

## Fall Semester

- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  
- ART Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- ART 355 Experiencing Art and Social Justice *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

## Senior Year

### Fall Semester

- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
- ART Upper Division - Advanced Studio Arts Focus *3 semester hours*
- ARHS 4630 Contemporary Art *4 semester hours*
  
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-18 semester hours

### Spring Semester

- ART 490 Senior Design Thesis *3 semester hours* \* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours*
  
- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or

- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is studied)
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-19 semester hours

## Notes:

\* Students following the Art Education Emphasis with a Studio Arts Focus in Design must complete all prerequisites before enrolling in ART 490.

This schedule is typical. The sequence and choices of courses must be decided in consultation with the Director of Art Education.

It is recommended that each Art Education student consider declaring a minor. A semester of international study is also recommended. Consult the Study Abroad Office.

## Art Education Emphasis with a minor in Secondary Education and a California Single Subject Teaching Credential in Art

### Secondary Teacher Preparation in Art

The Secondary Teacher Preparation Program (STPP) for Art is designed for students who anticipate teaching Art in grades 6-8 or 9-12. Because of all the rigorous standards set by the State of California for teaching credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning however, it is possible to complete a major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for Art, and the School of Education credential requirements in four years.

### Secondary Teacher Preparation Program in Art Requirements for a Major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE)

#### Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take POLS 1200 U.S. Politics that fulfills the Constitution requirement and the Understanding Human Behavior Core requirement.

#### Lower Division Requirements

26 semester hours of lower division courses:

- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 278 Ceramics I: Earth and Art *3 semester hours* or
- ART 280 Photography I *3 semester hours* or
- ART 285 Introduction to Printmaking *3 semester hours* as the foundation for the Studio Arts Focus.

### Recommended Courses

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours*

### Upper Division Requirements

29 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
- ART 490 Senior Design Thesis *3 semester hours* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours* (must take for 3 semester hours)
- 9 semester hours of upper division ART electives\*
- ARHS 4630 Contemporary Art *4 semester hours*

### And an upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- any non-Western ARHS 4998 course (if a non-Western topic is to be studied)

Note:

#### **\*Studio Arts Focus Requirement**

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts focus. Courses must be selected under the advisement of the Director of Art Education.

## School of Education Requirements

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 517 Secondary Content Methodology for Teaching Art *3 semester hours* (see ART 455)
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*

## School of Education Credential Requirements (Non-Degree Requirements):

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by completing 3 semester hours of EDES 518 Secondary Teaching Seminar and 2-5 semester hours of EDES 534 Secondary Clinical Supervision 4, which are applied toward both the semester hour requirement for the baccalaureate degree in Art and the requirements for the preliminary credential within the state of California. Student teaching is met through elective units taken as EDES 518 Secondary Teaching Seminar and EDES 534 Secondary Clinical Supervision 4.

### Advising

Students should consult with the **Director of Art Education**, Terry Lenihan at [tlenihan@lmu.edu](mailto:tlenihan@lmu.edu) to sign up for the program and to discuss their course of study, especially their Art courses.

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact [cutp@lmu.edu](mailto:cutp@lmu.edu) for more information.

### School of Education Admission:

Students interested in adding a preliminary credential in Art must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here: [Undergraduate Teacher Preparation--Secondary Education](#).

## Art Education Emphasis with State of California Single Subject Teaching Credential in Art Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*

- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

### Spring Semester

- ART 154 Drawing II: Figure Drawing *3 semester hours* Studio Arts Focus Lower Division or
- ART 278 Ceramics I: Earth and Art *3 semester hours* Studio Arts Focus Lower Division or
- ART 280 Photography I *3 semester hours* Studio Arts Focus Lower Division or
- ART 285 Introduction to Printmaking *3 semester hours* Studio Arts Focus Lower Division
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (recommended)
- ART 260 Computer Graphics I *3 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

### Sophomore Year

#### Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

#### Spring Semester

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- ART Upper Division--Intermediate Studio Arts Focus *3 semester hours*
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- Any non-Western ARHS 4998 course *4 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

## Junior Year

### Fall Semester

- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* \* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  
- ART Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-14 semester hours

### Spring Semester

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- ART 355 Experiencing Art and Social Justice *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- ART 455 Methods in Teaching Secondary Art *3 semester hours* (see EDES 517)
- ART Upper Division - Advanced Studio Arts Focus *3 semester hours*
- ARHS 4630 Contemporary Art *4 semester hours*

Total: 15 semester hours

### Spring Semester

- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 518 Secondary Teaching Seminar *3 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 534 Secondary Clinical Supervision 4 *2 TO 5 semester hours*
  
- ART 490 Senior Design Thesis *3 semester hours* \* or

- ART 497 Senior Thesis in Fine Arts *3 semester hours*

Total: 12-15 semester hours

Note:

\* Students following the Art Education Emphasis with a Studio Arts Focus in Design must complete all prerequisites prior to enrolling in ART 490.

This schedule is typical. The sequence and choices of courses must be decided in consultation with the Director of Art Education and advisors from the School of Education.

**All students interested in art education are required to consult closely with the CFA Dean's office, the Director of Art Education, and the School of Education for the updated program requirements. Consultation is critical to ensure timely completion of the programs. Additionally, students should contact the School of Education to arrange a time to attend an Undergraduate Information Session.**

## Fine Arts Emphasis

### Major Requirements

Fine Arts Emphasis majors choose a concentration in:

**Ceramics (FACR),  
Drawing/Painting (FADP),  
Photography (FAPH),  
Printmaking (FAPR),  
or Individualized Studies (FAIS)**

then select both lower and upper division courses from within the same concentration.

### Lower Division Requirements:

27 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ARHS 2004 Modernism *4 semester hours*

And 6 semester hours from one of the concentrations listed below.

Ceramics:

- ART 276 Ceramic Sculpture *3 semester hours*
- ART 278 Ceramics I: Earth and Art *3 semester hours*

Drawing/Painting:

- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 257 Painting I *3 semester hours*

Photography:

- ART 280 Photography I *3 semester hours*
- ART 285 Introduction to Printmaking *3 semester hours*

Printmaking:

- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 285 Introduction to Printmaking *3 semester hours*

Upper Division Requirements:

28 semester hours of upper division courses:

12 semester hours from one of the concentrations listed below

Ceramics:

- ART 370 Beginning Wheel Throwing *3 semester hours*
- ART 371 Advanced Wheel Throwing *1 TO 3 semester hours*
- ART 378 Drawing and Clay *3 semester hours*
- ART 478 Ceramics Workshop *3 semester hours*

Drawing/Painting:

Choose from

- ART 300 Figure Drawing Workshop *1 semester hours*
- ART 310 Drawing Workshop *1 semester hours*
- ART 332 Eastern Immersion *3 semester hours*
- ART 333 Visualizing Literature *3 semester hours*
- ART 334 Animal Drawing *3 semester hours*
- ART 335 Constructing Perspective and Geometry *3 semester hours*
- ART 352 Principles of Color *3 semester hours*
- ART 356 Painting II *3 semester hours*
- ART 358 Painting III *3 semester hours*
- ART 378 Drawing and Clay *3 semester hours*

- ART 398 Special Studies *1 TO 3 semester hours*
- ART 453 Drawing III: Formal Issues *3 semester hours*
- ART 454 Drawing IV: Figure Composition *3 semester hours*

Recommended:

- ART 385 Relief Printmaking *3 semester hours*
- ART 386 Etching Printmaking *3 semester hours*
- ART 389 Lithography Printmaking *3 semester hours*

Photography:

- ART 379 Special Topics in Photography *3 semester hours* (can be taken up to four times for credit)
- ART 380 Photography II *3 semester hours*
- ART 480 Color Photography *3 semester hours*
- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours*

Recommended:

- ART 382 Digital Photography *3 semester hours*

Printmaking:

- ART 485 Advanced Printmaking *1 TO 3 semester hours*

Choose 3 courses from:

- ART 385 Relief Printmaking *3 semester hours*
- ART 386 Etching Printmaking *3 semester hours*
- ART 387 Silkscreen Printmaking *3 semester hours*
- ART 389 Lithography Printmaking *3 semester hours*

Recommended:

- ART 453 Drawing III: Formal Issues *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ART 380 Photography II *3 semester hours* or
- ART 382 Digital Photography *3 semester hours*

Fine Arts Emphasis 6 semester hours of ART electives

An additional 6 semester hours

- ART 397 Professional Practices in Fine Arts *3 semester hours*
- ART 497 Senior Thesis in Fine Arts *3 semester hours*

## And an upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- any non-Western ARHS 4998 course (if a non-Western topic is to be studied)

## Fine Arts Emphasis Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

#### Spring Semester

- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
  
- ART 260 Computer Graphics I *3 semester hours* or
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
  
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (Recommended)
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 17-20 semester hours

### Sophomore Year

#### Fall Semester

- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ART 260 Computer Graphics I *3 semester hours* or
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
- ART Concentration Lower Division *3 semester hours*
- University Core *3-4 semester hours*

Total: 13-14 semester hours

### Spring Semester

- ARHS 2004 Modernism *4 semester hours*
- ART Concentration Lower Division *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-19 semester hours

### Junior Year

#### Fall Semester

- ARHS 3311 Pre-Columbian Art *4 semester hours*
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)
- ART 397 Professional Practices in Fine Arts *3 semester hours*
- ART Concentration Upper Division *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-18 semester hours

#### Spring Semester

- ART Concentration Upper Division *3 semester hours*

- ART Concentration Upper Division for Ceramics, Drawing/Painting, Photography *3 semester hours* or
- ART Elective Upper Division for Printmaking *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- ART Elective Upper Division *3 semester hours*
- ART Concentration Upper Division for Ceramics, Photography, Printmaking *3 semester hours* or
- ART Elective Upper Division for Drawing/Painting *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- ART 497 Senior Thesis in Fine Arts *3 semester hours* (3 semester hours required)
- ART Concentration Upper Division for Drawing/Painting, Printmaking *3 semester hours* or
- ART Elective Upper Division for Ceramics, Photography *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-14 semester hours

### Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Graphic Design Emphasis (GRPH)

Designers shape the way we see and understand the world by giving form to the objects, communications, and environments that make up our everyday experiences.

Through typography, image making, and visual storytelling, designers visualize the issues that permeate our society, and pose innovative solutions with the potential to affect change on a local, national, and global scale. At LMU, Graphic Design is integral to the liberal arts experience. We cultivate difference-makers who identify and explore the most pressing problems of our world.

We believe the greatest potential for graphic design goes far beyond its history of service to consumerism. The ubiquity of design and its potential to transform our world has never been greater. As electronic media rapidly evolves, so does Design's ability to influence the quality of our lives. LMU's graphic designers take a compassionate approach, promoting social justice and realizing societal change through social discourse and entrepreneurship.

## Major Requirements

### Lower Division Requirements:

26 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
  
- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 257 Painting I *3 semester hours*
  
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
  
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
  
- ART 280 Photography I *3 semester hours*
  
- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours* or
- ARHS 2004 Modernism *4 semester hours*
  
- ARHS 2510 Social Design *3 semester hours*

### Upper Division Requirements:

34 semester hours of upper division courses:

- ART 302 Design: Concept to Form *3 semester hours*
- ART 303 Experimental Typography *3 semester hours*
- ART 360 Graphic Design I *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ART 460 Graphic Design II *3 semester hours*
- ART 468 Typography II *3 semester hours*
- ART 490 Senior Design Thesis *3 semester hours*
- ARHS 3560 History of Design *3 semester hours*
  
- and two courses from either **A. Intensive Professional Track** or **B. Interdisciplinary Track** (see below)

### And one upper division non-Western Art History

- ARHS 3311 Pre-Columbian Art *4 semester hours* or

- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or
- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4305 Arts of Southeast Asia *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)

#### a. Intensive Professional Track

This spectrum of studio electives is designed to broaden the outlook on the design professions. The following courses should be selected in consultation with an advisor:

- ART 362 Creative Direction *3 semester hours*
- ART 367 Online Computer Arts *3 semester hours*
- ART 374 Motion Graphics *3 semester hours*
- ART 395 Design Entrepreneurship *3 semester hours*
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours*
- ART 495 Advanced Studio Studies *1 TO 3 semester hours*

#### b. Interdisciplinary Track

This spectrum of studio electives is designed to broaden the outlook on graphic design as an aesthetic practice. The following courses should be selected in consultation with an advisor:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
- ART 366 Multimedia Narratives *3 semester hours*
- ART 382 Digital Photography *3 semester hours*
- ART 453 Drawing III: Formal Issues *3 semester hours*
- ART 480 Color Photography *3 semester hours*
- ART 495 Advanced Studio Studies *1 TO 3 semester hours*

## Graphic Design Emphasis Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

## Spring Semester

- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 257 Painting I *3 semester hours*
  
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (recommended)
  
- ART 260 Computer Graphics I *3 semester hours* or
- Elective *3-4 semester hours*
  
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-20 semester hours

## Sophomore Year

### Fall Semester

- ART 260 Computer Graphics I *3 semester hours* or
- Elective *3-4 semester hours*
  
- ART 275 Three-Dimensional Design *3 semester hours* or
- ART 276 Ceramic Sculpture *3 semester hours*
  
- ARHS 2510 Social Design *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- ART 280 Photography I *3 semester hours*
- ART 368 Typography I *3 semester hours*
  
- ARHS 2000 Foundations of Western Art *4 semester hours* or
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours* or
- ARHS 2004 Modernism *4 semester hours*
  
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-18 semester hours

## Junior Year

## Fall Semester

- ART 302 Design: Concept to Form *3 semester hours*
- ART 360 Graphic Design I *3 semester hours* or
- ART 468 Typography II *3 semester hours*
- ARHS 3560 History of Design *3 semester hours* or
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- ART 360 Graphic Design I *3 semester hours* or
- ART 468 Typography II *3 semester hours*
- ART Elective from Professional or Interdisciplinary Track *3 semester hours* or
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- ARHS 3560 History of Design *3 semester hours* or
- Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-19 semester hours

## Senior Year

### Fall Semester

- ART 460 Graphic Design II *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- ART Elective from Professional or Interdisciplinary Track *3 semester hours*

And choose one upper division non-Western Art History from:

- ARHS 3311 Pre-Columbian Art *4 semester hours* or
- ARHS 3331 Arts of Africa *4 semester hours* or
- ARHS 3341 Arts of Islam *4 semester hours* or
- ARHS 3351 Arts of Asia *4 semester hours* or
- ARHS 4301 Arts of India *4 semester hours* or

- ARHS 4303 Arts of China *4 semester hours* or
- ARHS 4307 Arts of Japan *4 semester hours* or
- ARHS 4998 Special Studies *1 TO 4 semester hours* (if a non-Western topic is to be studied)

Total: 13-15 semester hours

### Spring Semester

- ART 490 Senior Design Thesis *3 semester hours*
- ART 303 Experimental Typography *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Note:

This represents a typical schedule. Actual course sequence and selection must be planned in consultation with an advisor.

## Multimedia Arts Emphasis (MTMA)

Students who elect a Multimedia emphasis are interested in a future of authoring and designing in a world of new media and emerging technologies. Courses are designed as dynamic portals into the areas of digital imaging and photography, interaction design and online experiences, motion graphics design, 3D scenarios, as well as audio-video production. The career outlook for multimedia arts students at Loyola Marymount University is very encouraging. The Multimedia Internship that students are required to take provides real-world experience with galleries, agencies, and production studios. Multimedia Arts students have the opportunity to hone in their creative and professional interests while having the flexibility of concentrating in the following areas: TEXT, IMAGE, SOUND, or MOTION.

## Major Requirements

### Lower Division Requirements:

23-25 semester hours of lower division courses:

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 182 Programming for Creative Applications *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ARHS 2004 Modernism *4 semester hours*
- ARHS 2540 Multimedia Art Survey *3 semester hours*

Students choose a concentration

in Text, Image, Sound, or Motion, then choose both lower and upper division courses from within that same concentration. In consultation with an advisor, students may select an individualized option in Multimedia Arts Concentrations.

Text:

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ENGL 2201 Genres: Poetry *4 semester hours*
- ENGL 2202 Genres: Fiction *4 semester hours*
- SCWR 220 Feature Story Development *3 semester hours*

Image:

- ART 153 Drawing I *3 semester hours*
- ART 154 Drawing II: Figure Drawing *3 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 280 Photography I *3 semester hours*
- PROD 180 Pre-Production *3 semester hours*
- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- PROD 330 Media Innovation: Small Format Video and the Web *3 semester hours*
- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours*

Sound:

- MUSC 102 Enjoyment of Music *3 semester hours*
- MUSC 104 Fundamentals of Music *3 semester hours*
- MUSC 105 The Vocal Experience *3 semester hours*
- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*
- RECA 250 Sound Design *3 semester hours*
- THEA 110 Beginning Acting *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*

Motion:

- ANIM 120 Beginning Animation Workshop *3 semester hours*
- ANIM 220 Intermediate Animation Workshop *3 semester hours*
- ANIM 230 Introduction to 3D Computer Animation *3 semester hours*
- ANIM 250 Introduction to Interactive Animation *3 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 163 Introduction to Choreography *3 semester hours*
- PROD 180 Pre-Production *3 semester hours*
- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- PROD 330 Media Innovation: Small Format Video and the Web *3 semester hours*
- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours*

Upper Division Requirements:

33-34 semester hours of upper division courses:

- ART 363 3D Digital Toolbox *3 semester hours*
- ART 366 Multimedia Narratives *3 semester hours*
- ART 367 Online Computer Arts *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ART 374 Motion Graphics *3 semester hours*
- ART 382 Digital Photography *3 semester hours*
- ART 383 Advanced Multimedia *3 semester hours*
- ART 494 Multimedia Internship *3 semester hours*
  
- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours* or
- ARHS 3560 History of Design *3 semester hours* or
- ARHS 4630 Contemporary Art *4 semester hours*

Choose two courses from one of the following concentrations:

Text, Image, Sound, or Motion below. In consultation with an advisor, students may select an Individualized option in Multimedia Arts concentrations.

Text:

- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours*
- ARHS 4640 Modern and Contemporary Art Criticism *4 semester hours*
- ARHS 3560 History of Design *3 semester hours*
- ART 303 Experimental Typography *3 semester hours*
- ART 360 Graphic Design I *3 semester hours*
- ART 362 Creative Direction *3 semester hours*
- ENGL 4411 Fiction Writing Workshop: Narrative and Style *4 semester hours*
- ENGL 4412 Poetry Writing Workshop: Imagination *4 semester hours*
- SCWR 320 Feature Screenplay: Writing the First Draft *3 semester hours*
- THEA 400 Playwriting *3 semester hours*

Image:

- ART 303 Experimental Typography *3 semester hours*
- ART 356 Painting II *3 semester hours*
- ART 360 Graphic Design I *3 semester hours*
- ART 362 Creative Direction *3 semester hours*
- ART 380 Photography II *3 semester hours*
  
- ART 453 Drawing III: Formal Issues *3 semester hours* or
- ART 454 Drawing IV: Figure Composition *3 semester hours*
  
- ART 480 Color Photography *3 semester hours*
- PROD 341 Cinematography I *3 semester hours*
- PROD 366 Post-Production I *3 semester hours*

Sound:

- MUSC 303 Introduction to World Music Cultures *3 semester hours*
- MUSC 304 Topics in World Music Cultures *3 semester hours*
- RECA 393 Movie Music *3 semester hours*
- RECA 398 Special Studies *1 TO 3 semester hours*
- RECA 468 Advanced Post-Production Sound *3 semester hours*
- RECA 498 Special Studies *1 TO 3 semester hours*
- THEA 312 Voice Development *3 semester hours*

#### Motion:

- ANIM 310 Intermediate Storyboard *3 semester hours*
- ANIM 320 Mechanics of Animation *3 semester hours*
- ANIM 330 Intermediate 3D Computer Animation *3 semester hours*
- ANIM 450 Advanced Interactive Animation *3 semester hours*
- ANIM 352 Game Design *3 semester hours*
- ANIM 360 Character Design *3 semester hours*
- ANIM 370 Character Animation *3 semester hours*
- ANIM 380 Visual Effects Compositing *3 semester hours*
- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society *3 semester hours*
- DANC 397 Dance in Its Cultural Context *0 TO 2 semester hours*
- PROD 341 Cinematography I *3 semester hours*
- PROD 366 Post-Production I *3 semester hours*

## Recommended Courses

It is also recommended that the student take additional courses in Animation, Studio Arts, Art History, Communication Arts, and Computer Science.

## Multimedia Arts Emphasis Model Four-Year Plan

### Freshman Year

#### Fall Semester

- ART 110 Freshman Workshop in Studio Arts *1 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

- Elective *3-4 semester hours*
- ART 210 Portfolio Workshop in Studio Arts *1 semester hours* (Recommended)

Total: 13-17 semester hours

## Sophomore Year

### Fall Semester

- ART 260 Computer Graphics I *3 semester hours*
- ART 182 Programming for Creative Applications *3 semester hours*
- ARHS 2004 Modernism *4 semester hours*
- Concentration (Lower Division) *3 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

### Spring Semester

- ARHS 2540 Multimedia Art Survey *3 semester hours*
- Concentration (Lower Division) *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Junior Year

### Fall Semester

- ART 366 Multimedia Narratives *3 semester hours*
- ART 368 Typography I *3 semester hours*
- ARHS 3540 Social and Aesthetic History of Photography *3 semester hours* or
- ARHS 3560 History of Design *3 semester hours* or
- ARHS 4630 Contemporary Art *4 semester hours*
- Concentration (Upper Division) *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Spring Semester

- ART 374 Motion Graphics *3 semester hours*
- ART 382 Digital Photography *3 semester hours*

- Concentration (Upper Division) *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- ART 363 3D Digital Toolbox *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

### Spring Semester

- ART 367 Online Computer Arts *3 semester hours*
- ART 383 Advanced Multimedia *3 semester hours*
- ART 494 Multimedia Internship *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

### Note:

This schedule is typical. The sequence and choices of courses must be decided in consultation with an advisor.

## Minor

### Art History Minor

#### Minor Requirements (ARHS)

20 semester hours, including:

- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
- ARHS 2004 Modernism *4 semester hours*
- At least 2 upper division Art History courses selected under the direction of an advisor in the department.

## Required:

A total number of 20 semester hours is required for the Art History minor. To meet the total number of required semester hours, students may need to take an additional upper division art history elective.

## Recommended:

- ARHS 4800 Junior/Senior Seminar in Art History *4 semester hours*
- Upper Division ARHS course in non-Western Art (ARHS 33xx or ARHS 43xx) *4 semester hours*

## Studio Arts Minor

### Minor Requirements

18 semester hours:

- ART 153 Drawing I *3 semester hours* or
- ART 160 Two-Dimensional Design *3 semester hours*
- 15 semester hours of Studio Arts electives with at least 6 semester hours in upper division courses.

### For Animation Majors

- ART 153 Drawing I *3 semester hours* and
- ART 154 Drawing II: Figure Drawing *3 semester hours*
- 12 semester hours of Studio Arts electives with at least 6 semester hours in upper division courses

## Communication Studies

## Faculty

Chairperson: Craig O. Rich

Professors: Bryant Keith Alexander, Paige Pettyjohn Edley, Michele L. Hammers, Dean Scheibel

Associate Professors: Christopher J. Finlay, Nina Maria Lozano, Patricia Oliver, Kyra L. Pearson, Craig O. Rich

Assistant Professors: Shaun M. Anderson, Jason Leigh Jarvis, Meng Li, Allison Noyes

Clinical Professors: Judy Battaglia, James Bunker, Matthew Dewey, Thomas Dowd, Kathleen Norris

Instructors: Rebecca Avalos, Corrina Laughlin

## Mission

The Communication Studies Department provides students from across the LMU community with the communication competencies necessary to pursue their personal, professional, and civic goals. Our faculty and students examine how messages and meanings are produced, interpreted, and consumed. In particular, our program rigorously engages the following:

- The production and evaluation of communication messages,
- The role of communication in shaping the performance of identity and community,
- The processes and technologies by which people relate to and collaborate with each other, and
- The importance of principled advocacy across our personal, professional, and public lives.

Throughout all aspects of our program, we encourage self-reflection and critical engagement with disciplinary subject matter and contemporary social and political events at the local and global level. We encourage our students and faculty to nurture personal habits of lifelong learning and service.

In addition, our students and faculty produce scholarship that advances our knowledge of human communication, enhances the quality of public deliberation, and bridges the gap between our curriculum and real world experiences. To serve these goals, the Communication Studies Department creates an environment where students and faculty pursue scholarship, community engagement, and leadership in civic, corporate, and international arenas.

Finally, we develop students' professional competencies and enable them to maximize their post-graduation opportunities for career development. In seeing professional development as a shared responsibility, students are empowered to cultivate their communication skills outside of the classroom through engaged forms of learning and professional development.

## **Bachelors**

### **Communication Studies, B.A.**

#### **Student Learning Outcomes**

Upon completing the Communication Studies degree, students will be able to:

1. Demonstrate subject matter knowledge of the communication studies discipline, including:
  - The history of the discipline;
  - The nature of theory and its role in the study and practice of human communication; and
  - The foundational theoretical concepts from multiple sub-disciplines within the major.
2. Express ideas and relay information using conventions and forms appropriate to the intended audience.
3. Test or generate new knowledge using research methods appropriate to the communication studies discipline.
4. Articulate the relationship among disciplinary subject matter, research methodologies and one or more non-academic contexts.
5. Demonstrate the value of multiple theoretical, pedagogical, and socio-cultural perspectives.
6. Collaborate effectively and ethically in group problem-solving and decision-making situations.
7. Demonstrate and value respectful engagement with individual and group differences in interactions with all others.
8. Apply ethical standard to communication practices across multiple contexts.
9. Apply communication principles in service of justice for self, others, and society.
10. Innovate, justify, and enact solutions based on: inquiry, discernment, evidence, and analysis.
11. Demonstrate and value the pursuit of ethical actions through critical reason and reflection.
12. Demonstrate and value a self-reflexive approach to the study and practice of communication.

## Potential Career Pathways

A degree in Communication Studies (CMST) from Loyola Marymount University provides students with the opportunity to develop essential skills--writing, oral communication, critical thinking, and teamwork--that are in high demand in today's challenging and ever-changing world.

CMST students take a variety of courses that allow for both depth and breadth of study. We feature a rigorous Internship Practicum course for our juniors and seniors. CMST students often pursue minors in fields such as business, journalism, political science, or the arts to complement their CMST coursework.

With careful academic planning, CMST graduates are prepared for a variety of entry-level positions emphasizing both internal and external communication management across corporate, nonprofit, and/or public fields.

Below are a few of those fields:

- Campaign Strategy
- Corporate and Non-profit Communication
- Social Media Management
- Training and Development
- Development/Fundraising
- Human Resources
- Public Relations, Advertising, Sales, and Marketing

Our graduates often successfully pursue additional education, including advanced degrees, in a variety of academic fields. These fields include:

- Communication Studies and related fields
- Mediation/Conflict Resolution
- Media Studies
- Education
- Law
- Business

## Major Requirements: (44 semester hours) (CMST)

### Lower Division Requirements:

(24 semester hours of lower division coursework)

- CMST 1600 Nature of Theory *4 semester hours*
- CMST 1700 Nature of Inquiry *4 semester hours*
- CMST 2800 Advanced Public Communication *4 semester hours*

Three of the following five (3 of 5) courses:

- CMST 2100 Relational Communication *4 semester hours*
- CMST 2200 Intercultural Communication *4 semester hours*
- CMST 2300 Organizational Communication *4 semester hours*
- CMST 2400 Contemporary Rhetorical Theory *4 semester hours*
- CMST 2500 Media Studies *4 semester hours*

## Upper Division Requirements:

(20 semester hours of upper division coursework)

Four (4) advanced topics courses selected from among a list of approved 3000-level courses:

CMST 3100-3195, CMST 3200-3295, CMST 3300-3395, CMST 3400-3495, CMST 3500-3595, CMST 3600-3695, CMST 3700-3795, CMST 3800-3895. *4 semester hours each course.*

[Course offerings and topics will vary each semester]

One (1) Senior Capstone course from among a list of approved 4000-level courses:

CMST 4100-4195, CMST 4200-4295, CMST 4300-4395, CMST 4400-4495, CMST 4500-4595, CMST 4700-4795. *4 semester hours.*

[Course offerings and topics will vary each semester]

### Note:

The Department may offer additional courses that count as University Electives but do not satisfy CMST major requirements. Students should select courses carefully to ensure that all major requirements are being met.

## Communication Studies Model Four-Year Plan

### Freshman Year

#### Fall Semester

- CMST 1600 Nature of Theory *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours (see Note 1)

#### Spring Semester

- CMST 1700 Nature of Inquiry *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours* or
- Lower Division Elective *3-4 semester hours* (see Note 2)

Total: 13-16 semester hours (see Note 1)

## Sophomore Year

### Fall Semester

- CMST 2800 Advanced Public Communication *4 semester hours* or
- CMST 2X00 *4 semester hours* (see Note 3)
  
- CMST 2X00 *4 semester hours* (see Note 3)
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours (see Note 1)

### Spring Semester

- CMST 2800 Advanced Public Communication *4 semester hours* or CMST 2X00 *4 semester hours* (see Note 3)
  
- CMST 2X00 *4 semester hours* (see Note 3)
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours (see Note 1)

## Junior Year

### Fall Semester

- CMST 3XXX *4 semester hours* (see Note 4)
- University Core *3-4 semester hours*
- Lower or Upper Division Elective *3-4 semester hours* (see Note 2)
- Upper Division Elective *3-4 semester hours* (see Note 2)

Total: 14-16 semester hours (see Note 1)

### Spring Semester

- CMST 3XXX *4 semester hours* (see Note 4)
- CMST 3XXX *4 semester hours* (see Note 5)
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours* (see Note 2)

Total: 14-16 semester hours (see Note 1)

## Senior Year

## Fall Semester

- CMST 3XXX *4 semester hours* (see Note 3) or
- CMST 4XXX *4 semester hours* (see Notes 4 and 5)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)

Total: 13-16 semester hours (see Note 1)

## Spring Semester

- CMST 3XXX *4 semester hours* (see Note 3) or
- CMST 4XXX *4 semester hours* (see Note 4)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)
  
- University Core *3-4 semester hours* or
- Upper Division Elective *3-4 semester hours* (see Note 2)

Total: 13-16 semester hours (see Note 1)

## Notes

This is a sample schedule. The sequence of courses may vary slightly among students and students are expected to consult with their academic advisors.

### Note 1:

Students are required to take a total of 124 semester hours to complete their degree in Communication Studies. Because semester hours for courses may vary, students should work closely with their academic advisor to ensure that they take an average of 16 hours a semester across all semesters. In some semesters, students may need to take an additional course or courses.

### Note 2:

Students are required to take Lower and Upper Division Elective courses outside the CMST major, with the exception of CMST 2998 and CMST 3998.

**Note 3:**

Students are required to take three (3) courses from the following list: CMST 2100, CMST 2200, CMST 2300, CMST 2400, or CMST 2500.

**Note 4:**

Students are required to take four (4) courses from the following list: CMST 3100-3195, CMST 3200-3295, CMST 3300-3395, CMST 3400-3495, CMST 3500-3595, CMST 3600-3695, CMST 3700-3795, CMST 3800-3895.

**Note 5:**

Students are required to select a Senior Capstone Course from the following list: CMST 4100-4195, CMST 4200-4295, CMST 4300-4395, CMST 4400-4495, CMST 4500-4595, CMST 4700-4795.

## Minor

### Public Relations Minor

The minor in Public Relations (CMPR) situates professional practice within a context of the broader Communication Studies discipline. Interdisciplinary in nature, the minor exposes students to multiple conceptual frameworks while emphasizing applied skills.

### Admission

Admission to the minor is competitive and limited. To be admitted to the minor, students must have an overall GPA of 3.0 and score competitively on a writing skills test. Students should be aware that completing courses in the minor sequence does not guarantee admission into the minor.

### Course Requirements

The minor requires completion of 7 courses for a minimum of 22 semester hours. Some courses do have prerequisites, so students are encouraged to seek academic advising before pursuing the minor. CMST 2900, IDAP 300, IDAP 310, and IDAP 370 must be completed with a grade of B or higher. All other courses in the minor must be completed with a grade of C or higher. All IDAP courses must be taken in residence at LMU.

### Required Courses

- CMST 2900 Communication Approaches to PR *4 semester hours*
- IDAP 300 Principles of Public Relations *3 semester hours*
- IDAP 310 Writing for Public Relations *3 semester hours*
- IDAP 370 Public Relations Strategies *3 semester hours*
- IDAP 380 Public Relations Internship *1 to 3 semester hours*

- CMST 3XXX: To be selected from an approved list of CMST courses\* *4 semester hours*
- CMST 3XXX: To be selected from an approved list of CMST courses\* *4 semester hours*

## Sample Completion Plan

### Fall, Year 1

- CMST 2900 Communication Approaches to PR *4 semester hours*

### Spring, Year 1

- IDAP 300 Principles of Public Relations *3 semester hours*

### Fall, Year 2

- IDAP 310 Writing for Public Relations *3 semester hours*
- CMST 3XXX: Selected CMST course\* *4 semester hours*

### Spring, Year 2

- IDAP 370 Public Relations Strategies *3 semester hours*
- CMST 3XXX: Selected CMST course\* *4 semester hours*

### Fall, Year 3

- IDAP 380 Public Relations Internship *1 to 3 semester hours*

### Note:

\*Approved CMST courses: CMST 3150 Persuasion, CMST 3180 Leadership and Interpersonal Communication, CMST 3310 Media and Marketing Communication, CMST 3325 Communication and Healthcare, CMST 3335 Sport and Public Communication, CMST 3350 Nonprofit Communication Campaigns, CMST 3380 Communication Consulting, and CMST 3530 Digital Rhetoric.

## Interdisciplinary Applied Programs

### Objectives

The philosophy of Interdisciplinary Applied Programs (IDAP) rests on the premise that students should receive a broad education that combines creativity and scholarly activity. IDAP deepens students' intellectual and professional preparation for careers.

IDAP provides for the acquisition of knowledge and skills that will allow students to explore potential careers in Public Relations and related fields. Historical and theoretical knowledge informs the acquisition of practical skills, which includes writing, speaking, analyzing, strategizing and planning, using a mix of traditional and social media. The knowledge and skills will allow

students to ethically communicate to a variety of audiences and publics within interpersonal, group, organizational, regional, national, and global contexts. IDAP offers a sequence of courses and includes internships in the specific field of interest.

## Marital and Family Therapy

### Faculty

Chairperson: Debra Linesch

Program Director: Anthony Bodlovic

Professor: Debra Linesch

Associate Professor: Einat Metzl

Assistant Professors: Anthony Bodlovic, Louvenia Jackson

Clinical Assistant Professor: Jessica Bianchi

Practicum Coordinator: Kathleen Fogel-Richmond

### Contact Information

**Office Location:** University Hall, Suite 2444

**Telephone:** 310.338.4562

**Fax:** 310.338.4518

### Mission

The Department of Marital and Family Therapy with Specialized Training in Art Therapy will educate students to integrate visual arts as a way of knowing with psychotherapeutic skills and prepare students to become practicing licensed Marital and Family Therapists in the State of California\* and registered Art Therapists who abide by ethical standards of the Board of Behavioral Sciences (BBS), and the Accreditation Counsel for Art Therapy Education (ACATE). This mission, in reflection of the University's mission, fosters learning as a lifelong process in which students are educated as whole persons who would provide service and creating scholarship with a similar holistic frame, with commitment to social justice and cultural humility.

\* The program has not made a determination as to whether it meets **other** states' requirements for licensure; interested applicants/students are encouraged to research the identified path for transferring the license outside of California based on their specific interests and needs.

### Goals

1. To train students to become licensed Marriage and Family Therapists in the State of California, to be nationally registered with the ATCB as Art Therapists, and to be prepared to work as entry-level mental health clinicians
2. To educate students to competently demonstrate an understanding of comprehensive marital and family and art therapy theories and techniques with a wide range of treatment populations, while understanding systems theory and the interactional dynamics of the therapeutic relationship

3. To foster culturally humble students who can work with a wide range of diverse populations, who serve as advocates of equity and social justice, and who value self-reflection as a lifelong means of understanding self and others

## Student Learning Outcomes

Graduates of the Department of Marital and Family Therapy should know:

- A broad theoretical basis for the practice of art psychotherapy
- The complex societal culture in which they are engaging
- The legal and professional responsibilities of the licensed practicing psychotherapist.

Graduates of the Department of Marital and Family Therapy should be able to:

- Advance to professional engagement in the mental health community
- Describe individual and family dynamics according to the theory and concepts of the discipline of marriage and family therapy
- Delineate short-term and long-term psychotherapeutic goals and develop treatment plans
- Synthesize the art therapy modality with traditional theoretical approaches and use a variety of techniques and interventions to achieve systemic change
- Present case material in verbal and written form at a professional level
- Work with others from varied and diverse perspectives
- Engage in critical scholarly discourse in the field of art psychotherapy.

Graduates of the Department of Marital and Family Therapy are encouraged to value:

- An increasing commitment to change as part of the psychotherapeutic and artistic process
- The ongoing development of multicultural competencies
- Engagement with the community in the service of social justice.

In addition to completing requirements above set to meet the Board of Behavioral Sciences expectations for Marital and Family Therapy graduate training, graduates of this program also complete the requirements for the Art Therapy Specialization, preparing them as competent entry level Art Therapists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Specifically, the art therapy specialization offers students the following knowledge and skills.

1. Understand the historical development of Art Therapy as a profession. Art Therapy theories and techniques as a foundation for contemporary Art Therapy professional practice.
2. Distinguish among the therapeutic benefits of a variety of art processes and media strategies and interventions, and their applicability to the treatment process for individuals, groups, and families.
3. Recognize that Art Therapy, from a multicultural perspective, takes into consideration the specific values, beliefs, and actions influenced by a client's race, ethnicity, nationality, gender, religion, socioeconomic status, political views, sexual orientation, geographic region, physical capacity or disability, and historical or current experiences within the dominant culture.
4. Select culturally and developmentally appropriate assessment and evaluation methods and administer and interpret results to identify challenges, strengths, resilience, and resources for Art Therapy treatment planning.
5. Develop culturally appropriate, collaborative, and productive therapeutic relationships with clients.
6. Know federal and state laws and professional ethics as they apply to the practice of Art Therapy.
7. Recognize and respond appropriately to ethical and legal dilemmas using ethical decision making models, supervision, and professional and legal consultation when necessary.
8. Recognize clients' use of imagery, creativity, symbolism, and metaphor as a valuable means for communicating challenges and strengths and support clients' use of art-making for promoting growth and well-being.
9. Recognize the legal, ethical, and cultural considerations necessary when conducting Art Therapy research.
10. Apply principles of human development, artistic and creative development, human sexuality, gender identity development, family life cycle, and psychopathology, to the assessment and treatment of clients.
11. Understand professional role and responsibility to engage in advocacy endeavors as they relate to involvement in professional organizations and advancement of the profession.

12. Continuously deepen self-understanding through personal growth experiences, reflective practice, and personal art-making to strengthen a personal connection to the creative process, assist in self awareness, promote well-being, and guide professional practice.
13. Pursue professional development through supervision, accessing current Art Therapy literature, research, best practices, and continuing educational activities to inform clinical practice.
14. Recognize the impact of oppression, prejudice, discrimination, and privilege on access to mental health care, and develop responsive practices that include collaboration, empowerment, advocacy, and social justice action.
15. Understand the basic diagnostic process and the major categories and criteria of mental disorders, corresponding treatments, and commonly prescribed psychopharmacological medications.

## **Admission Requirements**

- A Bachelor's degree from an accredited institution with a GPA of 3.0 ("B") average or higher
- Prerequisites in Psychology and Studio Art
  1. A minimum of eighteen (18) semester hour credits (or twenty-seven [27] quarter-hour credits) of study in studio art which demonstrates proficiency and disciplined commitment in art making
  2. A minimum of twelve (12) semester hours credits (or [18] quarter-hour credits) of study in psychology, which must include developmental psychology and abnormal psychology
- An application with a \$50 application fee.
- Satisfactory score on the Miller Analogies Test (MAT) or GRE
- Autobiography with emphasis on personal life experiences rather than educational or occupational information
- Portfolio of art work with requested artist's statements
- Two (2) letters of recommendation
- Video interview followed by a second (group) interview on the LMU campus
- A \$250 deposit must accompany your letter of acceptance within 21 days of notification by the University of your admittance into the program. The deposit is applied toward tuition and is non-refundable.

## **Masters**

### **Marital and Family Therapy with Specialized Training in Art Therapy, M.A.**

#### **Mission**

The Department of Marital and Family Therapy will educate students to integrate visual arts as a way of knowing with psychotherapeutic skills and prepare students to become practicing licensed Marital and Family Therapists in the State of California and registered Art Therapists. This mission, in reflection of the University's mission, fosters learning as a lifelong process in which students are educated as whole persons who would provide service and creating scholarship with a similar holistic frame, with commitment to social justice and cultural humility.

\*The program has not made a determination as to whether it meets other states' requirements for licensure; interested applicants/students are encouraged to research the identified path for transferring the license outside of CA based on their specific interests and needs.

#### **Goals**

1. To train students to become licensed Marriage and Family Therapists in the State of California, to be nationally registered with the ATCB as Art Therapists, and to be prepared to work as entry level mental health clinicians.
2. To educate students to competently demonstrate an understanding of comprehensive marital and family and art therapy theories and techniques with a wide range of treatment populations, while understanding systems theory and the interactional dynamics of the therapeutic relationship.
3. To foster culturally humble students who can work with a wide range of diverse populations, who serve as advocates of equity and social justice, and who value self-reflection as a lifelong means of understanding self and others.

## Learning Outcomes

Graduates of the Department of Marital and Family Therapy should know:

- A broad theoretical basis for the practice of art psychotherapy
- The complex societal culture in which they are engaging
- The legal and professional responsibilities of the licensed practicing psychotherapist.

Graduates of the Department of Marital and Family Therapy should be able to:

- Advance to professional engagement in the mental health community
- Describe individual and family dynamics according to the theory and concepts of the discipline of marriage and family therapy
- Delineate short-term and long-term psychotherapeutic goals and develop treatment plans
- Synthesize the art therapy modality with traditional theoretical approaches and use a variety of techniques and interventions to achieve systemic change
- Present case material in verbal and written form at a professional level
- Work with others from varied and diverse perspectives
- Engage in critical scholarly discourse in the field of art psychotherapy.

Graduates of the Department of Marital and Family Therapy are encouraged to value:

- An increasing commitment to change as part of the psychotherapeutic and artistic process
- The ongoing development of multicultural competencies
- Engagement with the community in the service of social justice.

In addition to completing the above requirements set to meet the Board of Behavioral Science expectations for Marital and Family Therapy graduate training, graduates of this program also complete the requirements for the Art Therapy Specialization, preparing them as competent entry level Art Therapists in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains. Specifically, the art therapy specialization offers students the following knowledge and skills:

- a. Understand the historical development of Art Therapy as a profession, as well as understand Art Therapy theories and techniques as a foundation for contemporary Art Therapy professional practice.
- b. Distinguish among the therapeutic benefits of a variety of art processes and media strategies and interventions, and their applicability to the treatment process for individuals, groups, and families.
- c. Recognize that Art Therapy, from a multicultural perspective, takes into consideration the specific values, beliefs, and actions influenced by a client's race, ethnicity, nationality, gender, religion, socioeconomic status, political views, sexual orientation, geographic region, physical capacity or disability, and historical or current experiences within the dominant culture.
- d. Select culturally and developmentally appropriate assessment and evaluation methods and administer and interpret results to identify challenges, strengths, resilience, and resources for Art Therapy treatment planning.
- e. Develop culturally appropriate, collaborative, and productive therapeutic relationships with clients.
- f. Know federal and state laws and professional ethics as the apply to the practice of Art Therapy.
- g. Recognize and respond appropriately to ethical and legal dilemmas using ethical decision making models, supervision, and professional and legal consultation when necessary.
- h. Recognize clients' use of imagery, creativity, symbolism, and metaphor as a valuable means for communicating challenges and strengths and support clients' use of art-making for promoting growth and well-being.

- i. Recognize the legal, ethical, and cultural considerations necessary when conducting Art Therapy research.
- j. Apply principles of human development, artistic and creative development, human sexuality, gender identity development, family life cycle, and psychopathology, to the assessment and treatment of clients.
- k. Understand professional role and responsibility to engage in advocacy endeavors as they relate to involvement in professional organizations and advancement of the profession.
- l. Continuously deepen self-understanding through personal growth experiences, reflective practice, and personal art-making to strengthen a personal connection to the creative process, assist in self awareness, promote well-being, and guide professional practice.
- m. Pursue professional development through supervision, accessing current Art Therapy literature, research, best practices, and continuing educational activities to inform clinical practice.
- n. Recognize the impact of oppression, prejudice, discrimination, and privilege on access to mental health care, and develop responsive practices that include collaboration, empowerment, advocacy, and social justice action.
- o. Understand the basic diagnostic process and the major categories and criteria of mental disorders, corresponding treatments, and commonly prescribed psychopharmacological medications.

## Program Requirements

The Graduate Department of Marital and Family Therapy offers a graduate program leading to a Master of Arts in Marital and Family Therapy. Thus, in addition to State of California required curriculum in traditional marital and family therapy coursework, the program integrates a comprehensive art therapy curriculum. The Program trains clinicians to work in facilities providing psychological therapeutic services such as: public mental health, community mental health centers, non-profit agencies, psychiatric hospitals, medical centers, therapeutic and public schools, residential treatment facilities, and substance abuse treatment facilities.

The Department provides two- and three-year programs of rigorous academic work combined with two clinical internships of approximately 840 hours with 350 hours of direct client contact.

Students enrolled in the full-time Master of Arts in Marital and Family Therapy with Specialization in Art Therapy program will complete the degree requirements in two years. A three-year program is also available. Courses are offered Tuesdays, Wednesdays, and Thursdays during the day on campus, with internship assignments varying in times and locations.

Students are required to maintain a "B" (3.0) grade point average throughout their coursework and maintain a B or higher grade in each of their practicum courses.

The Department takes seriously its role in the training of therapists. The personality as well as the intellectual capability of each student is carefully evaluated. In light of this, a student may be disqualified from the program for factors other than grades. Students are also encouraged to seek personal psychotherapy during the first two semesters in the program.

Faculty members are practicing MFT/art therapy clinicians or scholars with a couple of field experts (teaching psychopharmacology). The courses are directly related to professor's work experience and area of expertise.

## Course Work Sequence

### First Semester (Fall)

- MFTH 600 Art Therapy Literature and Assessment 2 *semester hours* \*
- MFTH 601 Art Therapy Explorations 2 *semester hours* \*
- MFTH 602 Fundamentals of Marriage/Family Systems 2 *semester hours*
- MFTH 604 Child Psychotherapy: Theory and Practice 2 *semester hours*
- MFTH 609 Introduction to Mental Health Services 2 *semester hours*
- MFTH 615 Group Psychotherapy: Theory and Practice 2 *semester hours*

- MFTH 638 Psychopathology *2 semester hours*
- MFTH 640 Psychological Tests *2 semester hours*

Total: 16 semester hours

## Second Semester (Spring)

- MFTH 606 Adolescent Psychotherapy: Theory and Practice *2 semester hours*
- MFTH 608 Theories of Marriage and Family Therapy *2 semester hours*
- MFTH 610 Adult Psychotherapy *2 semester hours*
- MFTH 611 Drug and Alcohol Treatment *1 semester hours*
- MFTH 612 Marriage and Family Psychotherapy: Issues and Applications *2 semester hours*
- MFTH 617 Practicum/Supervision I *3 semester hours*
- MFTH 680 Marriage and Family Therapy Observation *2 semester hours*
- MFTH 689 Introduction to Research *1 semester hours*

Total: 15 semester hours

## Summer Session I

- MFTH 639 Psychopharmacology *2 semester hours*
- MFTH 641 Aging and Long-Term Care *1 semester hours*
- MFTH 642 Trauma Theory and Treatment *2 semester hours*

*\*\*Please see note below regarding the optional summer art therapy/MFT program in San Miguel de Allende courses offered for interested students.*

Total: 5 semester hours

## Third Semester (Fall)

- MFTH 618 Practicum/Supervision II *4 semester hours*
- MFTH 621 Cultural Issues in Marital and Family Therapy *1 TO 3 semester hours*
- MFTH 630 Marital and Family Therapy: Clinical Studies *2 TO 3 semester hours*
- MFTH 691 Research Methodology *3 semester hours*

Total: 13 semester hours

## Fourth Semester (Spring)

- MFTH 613 Assessment and Intervention of Intimate Partner Violence *1 semester hours*
- MFTH 616 Human Sexuality *1 semester hours*
- MFTH 619 Practicum/Supervision III *4 semester hours*
- MFTH 690 Seminar: Professional Ethics *2 semester hours*
- MFTH 696 Research/Clinical Paper *3 semester hours*

Total: 11 semester hours

Total: 60 semester hours

*\* Clinical art therapy specialized courses*

## **\*\*Summer Study Abroad in San Miguel de Allende, Mexico**

The Graduate Department of Marital and Family Therapy has established a summer Study Abroad program in San Miguel de Allende, Mexico. While obtaining a master's degree at LMU, students are encouraged to attend the summer program as part of fulfillment of the degree requirements (non-mandatory courses), broadening their appreciation for issues of culture and, specifically, the Mexican culture. Classes available are MFTH 620, MFTH 622, and MFTH 629. These summer units can be counted toward partial completion of Fall classes MFTH 621 and MFTH 630.

## **Music**

### **Faculty**

Chairperson: T. J. Harper

Professors: Paul W. Humphreys, Mark Saya, Virginia Saya

Associate Professor: T. J. Harper

Assistant Professor: David Carter

Clinical Professors: Wojciech Kocyan, Martha Masters

### **Bachelors**

### **Music, B.A.**

#### **Objectives**

The purpose of the Department of Music is to provide quality music instruction both for students who wish to pursue music as a career and for students who wish to enrich their lives through non-career-oriented study and performance. Students and faculty work together to foster aesthetic involvement and creative and scholarly inquiry that support a vital community of music learning. Instruction emphasizes a personal approach. Through the presentation of diverse musical programs, the department also sustains and enriches the cultural vitality of the University and its surrounding communities. The work of the department further supports the goals of Jesuit and Marymount education by strengthening the socializing influence of music both within the University and the world at large.

The Department of Music offers the Bachelor of Arts in Music degree, the requirements of which can serve as an excellent foundation for students undertaking advanced studies in preparation for such careers as musicology, composition, ethnomusicology, music librarianship, and pedagogy-oriented teaching. In addition to meeting all general University admissions

requirements, students who wish either to major or minor in Music must meet specific Department of Music entrance requirements.

Loyola Marymount University and the Department of Music are accredited by the National Association of Schools of Music.

## Student Learning Outcomes

Students majoring in Music should be able to:

- Develop physical coordination and technical skills required for specific musical activities (conducting, singing, instrumental performance)
- Apply essential principles of music theory and form to the study and evaluation of musical scores (critical skills)
- Display familiarity with musical notation in performance and original composition (creative skills).

Students majoring in Music should know:

- The historical evolution of Western music as evidenced by style periods, performance practices, and representative composers and their works
- The varieties of music as a cultural phenomenon seen in its interrelationship with belief systems, life-ways, and language.

Students majoring in Music are presented with the opportunity to value:

- The power of music as an expression and reflection of human emotion and responsiveness
- The experience of aesthetic engagement that allows for deep identification with music
- The synthesis of perspectives—physical, technical, analytical, historical—that leads to a cultured musical sensibility and artistic performance.

## Admission to the Major and Minor

An audition in an applied emphasis (guitar, percussion, piano, strings, voice, winds) is required before admission to the major or minor. Audition requirements appropriate to each emphasis (instrumental or voice) are available on-line and from the administrative office (Burns 103) of the Department of Music.

## Retention in the Major

The following standards must be met by majors in the Department of Music:

A grade of B (3.0) or better in:

- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*

A grade of C (2.0) or better in:

- MUSC 122 Music Theory and Form II *3 semester hours* in order to advance to MUSC 221

## Foreign Language Requirement

One semester of foreign language selected from the following:

- ITAL 2101 Italian *1 4 semester hours* or

- GRMN 2101 German 1 *4 semester hours* or
- FREN 2101 French 1 *4 semester hours*

## Note:

The language option selected may be taken for Credit/No Credit grading but requires the approval of the Chairperson and the applied emphasis instructor.

## Music Major Curriculum (MUSC)

*48 Semester Hours (plus Foreign Language Requirement)*

### General Requirements

#### 38 Semester Hours

- MUSC 101 Studio Class *0 semester hours (4 semesters)\*/\*\**
- MUSC 121 Music Theory and Form I *3 semester hours \**
- MUSC 122 Music Theory and Form II *3 semester hours \*\**
- MUSC 133 Aural Skills I *1 semester hours \**
- MUSC 134 Aural Skills II *1 semester hours \*\**
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours \**
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours \*\**
- MUSC 221 Music Theory and Form III *3 semester hours*
- MUSC 222 Music Theory and Form IV *3 semester hours*
- MUSC 235 Instrumentation *2 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 303 Introduction to World Music Cultures *3 semester hours*
- MUSC 316 Music History: Antiquity to 1600 *3 semester hours*
- MUSC 317 Music History: 1600-1820 *3 semester hours*
- MUSC 318 Music History: 1820 to Present *3 semester hours*
- MUSC 332 Choral Conducting *2 semester hours* or
- MUSC 333 Instrumental Conducting *2 semester hours*

### Applied Emphasis Ensemble(s)

- MUSC 454 World Music Ensembles I *0 OR 1 semester hours* or
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* or
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* or
- MUSC 491 Consort Singers *0 TO 2 semester hours* or
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours \*\*\** or
- MUSC 493 Women's Chorus *0 OR 1 semester hours* or
- MUSC 495 Concert Choir *0 OR 1 semester hours*

## Note:

\* *must be taken concurrently*

\*\* *must be taken concurrently*

\*\*\* *includes guitar, string, piano, and percussion ensembles*

## Concentration Requirements

### *12 Semester Hours/Upper Division Music*

With the approval of the director of the Concentration, all music majors must declare and complete an upper division Concentration. It is possible to complete two Concentrations with the approval of an academic advisor and the department chairperson. In order to fulfill a double Concentration, the student must take all classes required in each of the selected Concentrations. Music courses fulfilling one Concentration may not be used to satisfy the requirements of a second Concentration.

### Conducting (INCD or VOCD)

#### Required Courses:

- MUSC 328 Choral Methods I *2 semester hours* or
- MUSC 330 Score Reading I *2 semester hours*
  
- MUSC 332 Choral Conducting *2 semester hours* \* or
- MUSC 333 Instrumental Conducting *2 semester hours* \*
  
- MUSC 432 Advanced Choral Conducting *2 semester hours* or
- MUSC 433 Advanced Instrumental Conducting *2 semester hours*
  
- MUSC 445 Choral Practicum *1 semester hours* or
- MUSC 446 Orchestral Techniques Practicum *1 semester hours*

#### Additional 5 semester hours selected from the following:

- MUSC 307 Choral Literature *3 semester hours*
- MUSC 308 Orchestral Literature *3 semester hours*
- MUSC 331 Score Reading II *2 semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 491 Consort Singers *0 TO 2 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)

#### Note:

\* Students in this Concentration take one of these courses as a general music requirement and the other as a Concentration requirement.

Note:

A grade of A- (3.7) or above in MUSC 332 or MUSC 333 (when taken as a general music requirement) is required to be considered for admission to the Conducting Concentration.

## Contemporary Styles and Practices (INSP or VOSP)

Required Courses:

- MUSC 324 Vernacular Harmony and Forms *3 semester hours*
- MUSC 326 Music Technology and Production *3 semester hours*

Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz *3 semester hours*
- MUSC 366 History of Rock *3 semester hours*
- MUSC 367 History of Popular Music *3 semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 396 Sociology of Music *3 semester hours*
- MUSC 454 World Music Ensembles I *0 OR 1 semester hours* (Fall, repeatable)
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (Spring, repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* (when taken as Jazz Ensemble, repeatable)

Note:

A grade of B+ (3.3) or above in the four semesters of Music Theory and Form (MUSC 121, MUSC 122, MUSC 221, MUSC 222) is required to be considered for admission to the Contemporary Styles and Practices Concentration.

## Instrumental Studies (INIS)

Required Courses:

- MUSC 310 Instrumental Pedagogy *3 semester hours*
- MUSC 344 Alexander Technique *2 semester hours*
- MUSC 450 Senior Project/Recital *1 semester hours*

Additional 6 semester hours selected from the following:

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* (Guitar, String, Chamber and/or Percussion; enroll in 1 semester hour; repeatable)

## Music History/Literature (INMH or VOMH)

### Required Courses:

- MUSC 319 Analytic Techniques *3 semester hours* or
- MUSC 322 Modal Counterpoint *3 semester hours* or
- MUSC 323 Tonal Counterpoint *3 semester hours*
  
- MUSC 412 Pre-Renaissance and Renaissance Music *3 semester hours* or
- MUSC 413 Music of Baroque *3 semester hours* or
- MUSC 414 Music of the Classical Era *3 semester hours* or
- MUSC 415 Music of the Romantic Age *3 semester hours* or
- MUSC 416 Music of the Twentieth-Century Era *3 semester hours*
  
- MUSC 497 Musicology Placement Practicum *0 OR 1 semester hours*

### Additional 5 semester hours selected from the following:

- MUSC 343 Opera Scenes/Workshop *1 OR 2 semester hours* (repeatable)
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 491 Consort Singers *0 TO 2 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)

### Note:

A grade of A- (3.7) or above in MUSC 316, MUSC 317, and MUSC 318 is required to be considered for admission to the Music History/Literature Concentration.

## Theory/Composition (INTC or VOTC)

### Required Courses:

- MUSC 319 Analytic Techniques *3 semester hours* or
- MUSC 322 Modal Counterpoint *3 semester hours* or
- MUSC 323 Tonal Counterpoint *3 semester hours*
  
- MUSC 387 Music Composition I *1 semester hours*
- MUSC 454 World Music Ensembles I *0 OR 1 semester hours* (enroll in 1 semester hour)
- MUSC 496 Theory Placement Practicum *0 OR 1 semester hours* (enroll in 1 semester hour)

### Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz *3 semester hours*
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours* (repeatable)\*
- MUSC 388 Music Composition II *1 semester hours*
- MUSC 396 Sociology of Music *3 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 487 Music Composition III *1 semester hours*
- MUSC 488 Music Composition IV *1 semester hours*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours* (Percussion only; enroll in 1 semester hour; repeatable)

Note:

\* Piano for non-pianists; choice of other instrument or voice for pianists.

Note:

A grade of B+ (3.3) or above in the four semesters of Music Theory & Form (MUSC 121, MUSC 122, MUSC 221, MUSC 222) is required to be considered for admission to the Theory/Composition Concentration.

## Vocal Studies (VOVS)

Required Courses:

- MUSC 341 Vocal Pedagogy *3 semester hours*
- MUSC 344 Alexander Technique *2 semester hours*
- MUSC 450 Senior Project/Recital *1 semester hours*

Additional 6 semester hours selected from the following:

- MUSC 340 Diction for Singers I *1 semester hours*
- MUSC 342 Diction for Singers II *1 semester hours*
- MUSC 343 Opera Scenes/Workshop *1 OR 2 semester hours* (repeatable)
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 491 Consort Singers *0 TO 2 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 493 Women's Chorus *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 495 Concert Choir *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)

## World Music/Ethnomusicology (INWM or VOWM)

Required Courses:

- MUSC 304 Topics in World Music Cultures *3 semester hours*
- MUSC 407 Research and Methods in Ethnomusicology *1 semester hours*
- MUSC 454 World Music Ensembles I *0 OR 1 semester hours* (enroll in 1 semester hour)
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour)

Additional 6 semester hours selected from the following:

- MUSC 365 History of Jazz *3 semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 396 Sociology of Music *3 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours* (enroll in 1 semester hour; repeatable)
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

Note:

A grade of B+ or above in MUSC 303 is required to be considered for admission to the World Music/Ethnomusicology Concentration.

## Applied Music

*Individual Instructions*

## Music Major/Minor

### Individual instruction (Guitar, Percussion, Piano, Strings, and Voice)

Music majors are required to complete a minimum of four semesters, and Music minors two semesters, of individual instruction in the following emphasis areas:

#### Major: 4 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*

#### Minor: 2 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

## Private applied lessons requirements

Each semester hour of earned credit in private applied lessons requires the following:

- A. One 50-minute private lesson weekly (total 14)
- B. Enrollment in MUSC 101 Studio Class
- C. Minimum of one (1) Studio Class performance per semester
- D. End of semester performance jury

## Private applied lessons eligibility

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons.

No applied music fee is required.

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

## Practice room facilities

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

## Applied music course repeatability

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent offerings.

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

## Music Non-Major/Non-Minor

### Individual instruction (Guitar, Percussion, Piano, Strings, Winds, and Voice)

Individual instruction is available in Guitar, Percussion, Piano, Strings, Winds, and Voice. Permission of professor required.

There is an applied music fee of \$460.00 per semester for fourteen 30-minute weekly lessons. Applied music courses are repeatable for credit.

- MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

### Class instruction (Voice, Guitar, Piano)

Class instruction is available in voice, guitar, and piano for students at the beginning level.

- MUSC 105 The Vocal Experience *3 semester hours*

- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*  
All of these courses fulfill Explorations: Creative Experience in the University Core. MUSC 107 requires a \$15 lab fee for keyboard/headset upkeep.

## Ensembles

### Music Major/Minor

Music majors are required to complete four semesters, and Music minors two semesters, of active participation in an ensemble appropriate to the area of individual instruction emphasis.

### Music Non-Major/Non-Minor

Membership is open to all students and the University community on audition-after-enrollment basis.

- MUSC 454 World Music Ensembles I *0 OR 1 semester hours*
- MUSC 455 World Music Ensembles II *0 OR 1 semester hours*
- MUSC 490 Chamber Orchestra *0 OR 1 semester hours*
- MUSC 491 Consort Singers *0 TO 2 semester hours*
- MUSC 492 Chamber Music Ensembles *0 OR 1 semester hours*
- MUSC 495 Concert Choir *0 OR 1 semester hours*

## Music Model Four-Year Plan

### Freshman Year

#### Fall Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 121 Music Theory and Form I *3 semester hours*
- MUSC 133 Aural Skills I *1 semester hours*
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC Ensemble *1 semester hours*
- FREN 2101 French 1 *4 semester hours* or
- GRMN 2101 German 1 *4 semester hours* or
- ITAL 2101 Italian 1 *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

#### Spring Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 122 Music Theory and Form II *3 semester hours*
- MUSC 134 Aural Skills II *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC Ensemble *1 semester hour*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Sophomore Year

### Fall Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 221 Music Theory and Form III *3 semester hours*
- MUSC 235 Instrumentation *2 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC Ensemble *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 16-19 semester hours

### Spring Semester

- MUSC 101 Studio Class *0 semester hours*
- MUSC 222 Music Theory and Form IV *3 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 316 Music History: Antiquity to 1600 *3 semester hours*
- MUSC Ensemble *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- MUSC 317 Music History: 1600-1820 *3 semester hours*
- MUSC 303 Introduction to World Music Cultures *3 semester hours*
- MUSC 332 Choral Conducting *2 semester hours* or

- MUSC 333 Instrumental Conducting 2 *semester hours*
- University Core 3-4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 2 *semester hours*

Total: 16-18 semester hours

### Spring Semester

- MUSC 318 Music History: 1820 to Present 3 *semester hours*
- MUSC Upper Division Concentration 2 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*

Total: 14-17 semester hours

### Senior Year

#### Fall Semester

- MUSC Upper Division Concentration 4 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Elective Non-Music 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 2 *semester hours*

Total: 15-18 semester hours

#### Spring Semester

- MUSC Upper Division Elective 4 *semester hours*
- University Core 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 3-4 *semester hours*
- Elective 2 *semester hours*

Total: 15-18 semester hours

#### Note:

*This Four-Year Plan is only a model. Some music course scheduling will vary due to the departmental rotation of classes.*

### Minor

# Music Minor

## Admission to the Major and Minor

An audition in an applied emphasis (guitar, percussion, piano, strings, voice, winds) is required before admission to the major or minor. Audition requirements appropriate to each emphasis (instrumental or voice) are available on-line and from the administrative office (Burns 103) of the Department of Music.

## Foreign Language Requirement

One semester of foreign language selected from the following:

- ITAL 2101 Italian 1 4 semester hours or
- GRMN 2101 German 1 4 semester hours or
- FREN 2101 French 1 4 semester hours

### Note:

The language option selected may be taken for Credit/No Credit grading but requires the approval of the Chairperson and the applied emphasis instructor.

## Music Minor Curriculum (MUSC)

*21 Semester Hours (Plus Foreign Language Requirement)*

- MUSC 101 Studio Class 0 semester hours (2 semesters)
- MUSC 121 Music Theory and Form I 3 semester hours \*
- MUSC 122 Music Theory and Form II 3 semester hours \*\*
- MUSC 133 Aural Skills I 1 semester hours \*
- MUSC 134 Aural Skills II 1 semester hours \*\*
- MUSC 316 Music History: Antiquity to 1600 3 semester hours
- MUSC 317 Music History: 1600-1820 3 semester hours
- MUSC 318 Music History: 1820 to Present 3 semester hours
- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours \*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice 1 semester hours \*\*
- Applied Emphasis Ensemble(s) 2 semester hours \*/\*\*
  
- MUSC 454 World Music Ensembles I 0 OR 1 semester hours or
- MUSC 455 World Music Ensembles II 0 OR 1 semester hours or
- MUSC 490 Chamber Orchestra 0 OR 1 semester hours or
- MUSC 491 Consort Singers 0 TO 2 semester hours or
- MUSC 492 Chamber Music Ensembles 0 OR 1 semester hours or
- MUSC 493 Women's Chorus 0 OR 1 semester hours or
- MUSC 495 Concert Choir 0 OR 1 semester hours

## Note:

\* *must be taken concurrently*

\*\* *must be taken concurrently*

## Applied Music

*Individual Instructions*

## Music Major/Minor

### Individual instruction (Guitar, Percussion, Piano, Strings, and Voice)

Music majors are required to complete a minimum of four semesters, and Music minors two semesters, of individual instruction in the following emphasis areas:

#### Major: 4 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*

#### Minor: 2 semester hours

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

## Private applied lessons requirements

Each semester hour of earned credit in private applied lessons requires the following:

- A. One 50-minute private lesson weekly (total 14)
- B. Enrollment in MUSC 101 Studio Class
- C. Minimum of one (1) Studio Class performance per semester
- D. End of semester performance jury

## Private applied lessons eligibility

Only students who have been officially accepted through audition and declared music majors or minors by the Department of Music may enroll in private applied lessons.

No applied music fee is required.

- MUSC 180 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 181 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 280 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*
- MUSC 281 Guitar, Percussion, Piano, Strings, Voice *1 semester hours*

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

## Practice room facilities

Practice room facilities (free of charge) are available to all applied music students enrolled for credit.

## Applied music course repeatability

Applied music courses are repeatable for credit. Majors who wish to continue credit enrollment beyond minimum requirements may enroll in the subsequent offerings.

- MUSC 380 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 381 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 480 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*
- MUSC 481 Guitar, Percussion, Piano, Strings, Voice, Composition *1 semester hours*

## Music Non-Major/Non-Minor

### Individual instruction (Guitar, Percussion, Piano, Strings, Winds, and Voice)

Individual instruction is available in Guitar, Percussion, Piano, Strings, Winds, and Voice. Permission of professor required.

There is an applied music fee of \$460.00 per semester for fourteen 30-minute weekly lessons. Applied music courses are repeatable for credit.

- MUSC 182 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 282 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 382 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*
- MUSC 482 Guitar, Percussion, Piano, Strings, Winds, Voice *1 semester hours*

### Class instruction (Voice, Guitar, Piano)

Class instruction is available in voice, guitar, and piano for students at the beginning level.

- MUSC 105 The Vocal Experience *3 semester hours*
- MUSC 106 The Guitar Experience *3 semester hours*
- MUSC 107 The Piano Experience *3 semester hours*

All of these courses fulfill Explorations: Creative Experience in the University Core. MUSC 107 requires a \$15 lab fee for keyboard/headset upkeep.

## Ensembles

### Music Major/Minor

Music majors are required to complete four semesters, and Music minors two semesters, of active participation in an ensemble appropriate to the area of individual instruction emphasis.

## Music Non-Major/Non-Minor

Membership is open to all students and the University community on audition-after-enrollment basis.

- MUSC 454 World Music Ensembles I 0 OR 1 semester hours
- MUSC 455 World Music Ensembles II 0 OR 1 semester hours
- MUSC 490 Chamber Orchestra 0 OR 1 semester hours
- MUSC 491 Consort Singers 0 TO 2 semester hours
- MUSC 492 Chamber Music Ensembles 0 OR 1 semester hours \*
- MUSC 493 Women's Chorus 0 OR 1 semester hours
- MUSC 495 Concert Choir 0 OR 1 semester hours

Note:

*\* Includes guitar, string, piano, and percussion ensembles. These classes are repeatable for credit.*

## Theatre Arts and Dance

### Dance

### Faculty

Chairperson: Rosalynde LeBlanc Loo

Professors: Scott T. Heinzerling, Patrick Damon Rago

Associate Professor: Rosalynde LeBlanc Loo

Clinical Assistant Professor: Kristen Smiarowski

### Mission

Framed by the Mission of Loyola Marymount University, the LMU Dance Program is committed to the inquiry and practice of dance as a creative, expressive art form that is integral to life.

The program believes that the study of dance engages the student as a whole person--body, mind, and spirit.

Guided by collaborative partnerships with teachers and scholars, opportunities to engage prominent dance artists, as well as participation within the diverse cultural and dance communities of Los Angeles and beyond, LMU Dance prepares students for a variety of career paths in dance and related areas of professional engagement.

The program provides a strong, unified learning community that works with deep intention, cooperation, and flexible engagement in performance, scholarship, choreography, and social action.

Housed in the Department of Theatre Arts and Dance, the Dance Program offers coursework for the dance major, Liberal Studies majors, and the general student population who wish to pursue dance as part of the core curriculum, as electives, and for the purposes of a liberal arts education.

## **Theatre Arts**

### **Faculty**

Chairperson: Katharine M. Noon

Professors: Diane Benedict, Charles E. Erven, Beth Henley (Presidential Professor), Katharine M. Noon, Judith Royer, C.S.J., Kevin J. Wetmore, Jr.

Associate Professor: Leon Wiebers

Assistant Professors: Arnab Banerji, Stacey Cabaj, Christopher Murillo, Daphnie Sicre

Clinical Associate Professor: Dana Resnick

Clinical Assistant Professors: Andrea Odinov, Nenad Pervan

### **Bachelors**

#### **Dance, B.A.**

##### **Student Learning Outcomes**

1. Students will apply healthy and sustainable practices to their work in dance.
2. Students will demonstrate embodied knowledge of multiple dance techniques and genres.
3. Students will analyze various aesthetic values and engage creatively to solve problems.
4. Students will create original work with a critical awareness of the ways in which musicality, theatricality, technology, and spatiality inform the creative process.
5. Students will integrate research of the historical, the contemporary, and the self in dance using traditional academic, as well as movement methodologies.
6. Students will produce original, critical, and creative scholarship that demonstrates integration of their knowledge of dance studies.

##### **Dance Generalist Track (GENL)**

##### **Major Requirements**

##### **Lower Division Requirements:**

A minimum of 20 semester hours:

- DANC 100 Orientation to Dance *1 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours* (counts also as University Core)
- DANC 161 Fundamentals of Dance Composition II: Dance Improvisation *3 semester hours*
- DANC 183 Stagecraft for Dancers *1 semester hours*
- DANC 260 Laban Movement Analysis: Applications for Dance Making *3 semester hours*
- DANC 262 Dance Styles and Forms *3 semester hours*
- DANC 281 History of Dance Theatre *3 semester hours*
- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society *3 semester hours*
- And taken at the level of proficiency: Modern/Contemporary Technique and Ballet Technique each semester (minimum total lower and upper division, 8 semester hours), and Jazz Technique, 4 semesters (minimum total lower or upper division, 4 semester hours), and Dance in Its Cultural Context, 2 semesters (minimum total lower or upper division, 2 semester hours).

## Upper Division Requirements:

A minimum of 23 semester hours:

- DANC 377 Dance Production *0 TO 1 semester hours*
- DANC 378 Service Project *0 semester hours*
- DANC 380 Music for Dance *3 semester hours*
- DANC 388 Careers in Dance *1 semester hours*
- DANC 460 Dance Theory and Criticism *3 semester hours*
- DANC 461 Senior Thesis: Project *3 semester hours* (minimum of C [2.0] grade)
- DANC 462 Mentorship: Senior Thesis *0 TO 1 semester hours*
- DANC 480 Kinesiology for Dancers I *3 semester hours*
- DANC 481 Kinesiology for Dancers II *3 semester hours*
- DANC 484 Principles of Teaching Dance *3 semester hours*
- And taken at the level of proficiency: Modern Contemporary Technique and Ballet Technique each semester (minimum total lower and upper division, 8 semester hours), and Jazz Technique, 4 semesters (minimum total lower or upper division, 4 semester hours), and Dance in Its Cultural Context, 2 semesters (minimum total lower or upper division, 2 semester hours).

## Note:

A minimum of a C (2.0) must be maintained in major coursework.

A minimum grade of C (2.0) must be earned in each Dance major technique course and DANC 461.

## Dance Generalist Model Four-Year Plan

### Freshman Year

#### Fall Semester

- DANC 100 Orientation to Dance *1 semester hours*
- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 377 Dance Production *0 TO 1 semester hours*

- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- DANC Jazz *0-1 semester hours*
- DANC Dance Conditioning: Pilates Mat *0-1 semester hour* (Co-requisite with Modern/Contemporary)
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-21 semester hours

### Spring Semester

- DANC 161 Fundamentals of Dance Composition II: Dance Improvisation *3 semester hours*
- DANC 183 Stagecraft for Dancers *1 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Dance Conditioning: Pilates Mat *0-1 semester hour* (Co-Requisite with Modern/Contemporary)
- Ballet *0-1 semester hours*
- Dance in Its Cultural Context *0-2 semester hours*: DANC 344, DANC 371, DANC 374, and/or DANC 397
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 17-21 semester hours

### Sophomore Year

#### Fall Semester

- DANC 260 Laban Movement Analysis: Applications for Dance Making *3 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- DANC Jazz *0-1 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-17 semester hours

#### Spring Semester

- DANC 262 Dance Styles and Forms *3 semester hours*
- DANC 281 History of Dance Theatre *3 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society *3 semester hours*
- DANC 388 Careers in Dance *1 semester hours*
- DANC 480 Kinesiology for Dancers I *3 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- DANC Jazz *0-1 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- DANC 380 Music for Dance *3 semester hours*
- DANC 481 Kinesiology for Dancers II *3 semester hours*
- DANC 484 Principles of Teaching Dance *3 semester hours*
- DANC Ballet *0-1 semester hour*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Dance in Its Cultural Context *0-2 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-21 semester hours

## Senior Year

### Fall Semester

- DANC 461 Senior Thesis: Project *3 semester hours* (for December graduates only)
- DANC 462 Mentorship: Senior Thesis *0 TO 1 semester hours*
- DANC Modern/Contemporary *0-1 semester hours*
- DANC Ballet *0-1 semester hours*
- DANC Jazz *0-1 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-17 semester hours

### Spring Semester

- DANC 378 Service Project 0 semester hours
- DANC 461 Senior Thesis: Project 3 semester hours
- DANC 462 Mentorship: Senior Thesis 0 TO 1 semester hours
- DANC Modern/Contemporary 0-1 semester hours
- DANC Ballet 0-1 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 13-17 semester hours

Note:

*Variable semester hours for all technique classes are options only for Dance majors and minors. All other students must take these courses for 2 semester hours.*

## Theatre Arts, B.A.

### Objectives

The Theatre Arts curriculum is planned to provide a broad quality education in the humanities and to develop in the student an appreciation of the whole self and the universality of the human experience. The Theatre Arts program promotes an environment that nurtures self-expression within all aspects of the discipline, ranging from acting and design to technical theatre and the history and theories surrounding these practices. Faculty and students collaborate to enhance creative involvement in and promote aesthetic and scholarly inquiry into the art of theatre and performance. Participation on all levels in the performing arts is central to this work. Through the production and study of both Western and world theatrical traditions, the program contributes to the cultural vitality of our students, the university, and the surrounding community. The Theatre Arts program supports the mission and goals of the university with a commitment to educating the whole person and providing students with the tools to be an active participant in the service of faith and the promotion of justice, and is accredited by the National Association of Schools of Theatre. The program offers the Bachelor of Arts in Theatre degree, the requirements of which can serve as an excellent foundation for those students pursuing a career in theatre, film, and television, for those who wish to enrich their lives through non-career oriented study and performance, and for those pursuing MFA and PhD degrees in performance, design, history, and performance theory.

### Student Learning Outcomes

Students majoring in Theatre Arts should be able to:

- Strengthen their skills in observation, concentration, and imagination
- Effectively apply learned acting techniques to performance and/or creative works of their own
- Interpret dramatic texts and critique theatrical performance using appropriate critical language and analytical frameworks
- To integrate effective use of body and voice in communication in a theatrical space
- Apply a basic understanding of scenery, costume, and lighting materials, construction procedures, and standard theatrical practices for theatre production. Read and understand technical and artistic drawings. Basic performance and design genres, styles, techniques as methods of storytelling.
- Identify the basic elements of stage direction; analyze a play script from the point of view of the director; articulate and defend a production concept; develop actor-coaching skills; and identify elements of direction that communicate story, theme, and concept
- Positively contribute to the field of theatre performance, history, and production.

Students majoring in Theatre Arts are presented with the opportunity to value:

- Theatre as a live, human, creative, and spiritual experience, which has the power to transform and educate as well as entertain an audience
- Non-Western theatrical styles and genres
- The impact design and production have on the theatrical experience, and the relationships and contributions of all collaborators and theatrical personnel and how they contribute to the creation of theatre production across a broad spectrum of styles and genres
- Individual expression through exploration, analysis, and creation of dramatic writing
- First-hand European theatre tradition; Stanislavski and Epic theatre performance techniques; the history, geography, and culture of Germany and Eastern Europe, through our semester study abroad program, Bonn-Moscow-Berlin.

Students majoring in Theatre Arts should know:

- Basic theories, techniques, and process of dramatic writing and structure, and various approaches to translating original dramatic material from the page to the stage/screen
- Basic world theatre history and dramatic literature, including exemplary works and genres
- Basic performance and design genres, styles, and techniques
- Basic strategies of career development and audition/interview methods.

## Major Requirements (THEA)

### Lower Division Requirements:

24 semester hours:

- THEA 111 Introduction to Theatre Performance *3 semester hours*

Two courses with their labs from the following (total 6 semester hours):

- THEA 120 Stagecraft *3 semester hours* and
- THEA 121 Stagecraft Lab *0 semester hours*
- THEA 124 Costume Craft *3 semester hours* and
- THEA 125 Costume Craft Lab *0 semester hours*
- THEA 126 Lighting and Sound Craft *3 semester hours* and
- THEA 127 Lighting and Sound Craft Lab *0 semester hours*
- THEA 240 Western Theatre History and Literature I *3 semester hours*
- THEA 245 Western Theatre History and Literature II *3 semester hours*

One course from the following (3 semester hours):

- THEA 113 Voice and Speech *3 semester hours*
- THEA 114 Movement for Actors *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*
- THEA 175 Script Analysis *3 semester hours*
- THEA Elective *3 semester hours*

### Note:

A grade of C (2.0) or better must be earned in each course.

## Upper Division Requirements:

30 semester hours:

- THEA 370 Directing for the Theatre I *3 semester hours*
- THEA 450 Theatre Practicum: Crew I *TO 3 semester hours*
- THEA 490 Senior Thesis Project *3 semester hours*
- Upper Division THEA Electives *12 semester hours*
- THEA history/literature/criticism courses from THEA 330s, 340s, 430s *9 semester hours*

### Note:

A grade of C (2.0) or better must be earned in each course of the 9 semester hours of Theatre history, literature, and criticism.

## Theatre Arts Model Four-Year Plan

### Freshman Year

#### Fall Semester

- THEA 111 Introduction to Theatre Performance *3 semester hours*
- THEA 120 Stagecraft *3 semester hours*
- THEA 121 Stagecraft Lab *0 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-18 semester hours

#### Spring Semester

- THEA 124 Costume Craft *3 semester hours*
- THEA 125 Costume Craft Lab *0 semester hours*
- THEA 175 Script Analysis *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *1 semester hour*

Total: 13-19 semester hours

### Sophomore Year

#### Fall Semester

- THEA 240 Western Theatre History and Literature I *3 semester hours*
- THEA 210 Scene Study and Presentation *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- THEA 245 Western Theatre History and Literature II *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Junior Year

### Fall Semester

- THEA 370 Directing for the Theatre I *3 semester hours*
- THEA 450 Theatre Practicum: Crew I TO 3 *semester hours* (3 semester hours required)
- THEA History/Literature/Criticism *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- THEA History/Literature/Criticism *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- THEA History/Literature/Criticism *3 semester hours*

- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- THEA 490 Senior Thesis Project *3 semester hours*
- THEA Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Note:

This schedule is typical. The sequence and choice of courses must be decided in consultation with an advisor.

## Masters

### Performance Pedagogy, M.F.A.

Loyola Marymount University's Master of Fine Arts Program in Performance Pedagogy provides an opportunity for students to achieve a terminal degree with a focus on pedagogy and theory of teaching theatre performance at the secondary and university levels. Designed for individuals with experience as professional theatre artists looking to expand their career options, the program will develop our graduate students' existing knowledge with courses in acting theory, pedagogy, directing, design, theatre history and dramatic literature, as they cultivate their skills as teachers of the craft of acting and the discipline of theatre.

### Learning Outcomes

After completing the M.F.A. in Performance Pedagogy, students will be able to:

- Interpret dramatic texts and critique theatrical performance using appropriate critical language and analytic frameworks
- Effectively develop actor coaching skills and effectively communicate to performers
- Educate actors by integrating theory and practice in the classroom
- Effectively collaborate with other theatre artists on the development of a live stage performance, including an understanding of standard design and technical theatre procedures and practices.

Students will gain deep knowledge in:

- Research methods and writing for the theatre
- Current educational theatre theory and both traditional and new theatre pedagogies
- Theatre as art, discipline, field of study, and craft

- The impact design and production have on the theatrical experience, and the relationships and contributions of all collaborators and theatrical personnel, and how they contribute to the creation of theatre production across a broad spectrum of styles, genres, and cultures
- Diversity, cultural awareness, and social justice, and the roles they play in theatre.

## M.F.A. Requirements

(60 semester hours)

### Core Courses

(21 semester hours--7 courses)

- THEA 6000 Seminar - Introduction to Theatre Pedagogy *3 semester hours*
- THEA 6010 Seminar in Research and Writing Theatre *3 semester hours*
- THEA 6200 Issues in Theatre Pedagogy *3 semester hours*
- THEA 6300 Seminar - Teaching Acting *3 semester hours*
- THEA 6650 Theories of Acting and Directing *3 semester hours*
- THEA 6700 Directing *3 semester hours*
- THEA 6800 The Collaborative Process *3 semester hours*

### Elective Courses

(33 semester hours--11 courses)

### Thesis

(6 semester hours--2 courses)

- THEA 6900 Thesis *3 semester hours*
- THEA 6910 Thesis *3 semester hours*

## Minor

### Dance Minor

#### Minor Requirements

Dance minor (DANG)--20 semester hours:

#### One composition course selected from

- DANC 160 Fundamentals of Dance Composition I: The Choreographic Process *3 semester hours*
- DANC 163 Introduction to Choreography *3 semester hours*

## One pedagogy course selected from

- DANC 363 Multiple Ways of Knowing and Showing: Music and Dance *3 semester hours*
- DANC 385 Movement Arts for Children *3 semester hours*
- DANC 484 Principles of Teaching Dance *3 semester hours*

## 6 semester hours of theory courses selected from

- DANC 183 Stagecraft for Dancers *1 semester hours*
- DANC 260 Laban Movement Analysis: Applications for Dance Making *3 semester hours*
- DANC 281 History of Dance Theatre *3 semester hours*
- DANC 282 I Am, Therefore I Dance: Dance, Culture, and Society *3 semester hours*
- DANC 382 Drumming for Dance *2 semester hours*
- DANC 387 Dance as Social Action *0 TO 3 semester hours*
- DANC 480 Kinesiology for Dancers I *3 semester hours*
- DANC 487 Dance Media and Technology *3 semester hours*
- Other courses in Dance as directed by advisor

At least 6 semester hours of dance technique: ballet, modern/contemporary, and/or jazz dance

At least 2 semester hours of Tap or Dance in Its Cultural Context selected from

- DANC 144 Tap Dance I *0 TO 2 semester hours*
- DANC 244 Tap Dance II *0 TO 2 semester hours*
- DANC 344 Tap Dance III *0 TO 2 semester hours*
- DANC 444 Tap Dance IV *0 TO 2 semester hours*

or

- DANC 397 Dance in Its Cultural Context *0 TO 2 semester hours*

## **Theatre Arts Minor**

### Minor Requirements (THEA)

18 semester hours divided into 6 semester hours of lower division work, 12 semester hours of upper division theatre offerings, and participation in departmentally-sponsored events.

Minor programs must be planned in consultation with a departmental advisor. A minimum grade of C (2.0) must be obtained in each course included in the minor program.

# **LMU Frank R. Seaver College of Science and Engineering**

# **LMU Frank R. Seaver College of Science and Engineering**

## **Administration**

Dean: S. W. Tina Choe

Associate Dean: Suzanne Larson

Associate Dean: Nazmul Ula

Assistant Dean: Sandra Luca

## **College Mission Statement**

The LMU Frank R. Seaver College of Science and Engineering is dedicated to providing outstanding educational opportunities in science, engineering, and mathematics in a mentoring environment to an increasingly diverse student body. The College emphasizes development of the whole person through its focus on ethical behavior and service to society.

The Graduate Programs in the Frank R. Seaver College of Science and Engineering provide opportunities for working professionals to enhance their skills and knowledge through modern, professionally rigorous and conveniently administered curricula which balance theory and practice in the areas of engineering, engineering management and leadership, computer and environmental science and the teaching of mathematics to advance their careers, serve the needs of society and meet the challenges of an ever-changing, complex world.

## **College Goals**

Particularly applicable to the College are these goals: (1) to develop in the student the understanding that education is a self-discipline, and to place a greater responsibility for learning on the individual, (2) to integrate ethics into the curriculum in order to develop personal and professional integrity, (3) to help the student to become cognizant of the changing needs of humankind while interpreting and implementing the ever-increasing body of knowledge, (4) to encourage the student to recognize the wide applicability of scientific, engineering, and mathematical methods and to become skillful in their use, (5) to prepare the student for a world of accelerating scientific and technological change, (6) to impress upon the student that education must be a continuous process throughout one's professional career, and (7) to enable the Loyola Marymount graduate, through theological and philosophical studies, to make absolute and genuinely intellectual decisions and commitments about truth as it exists in the world and about one's own nature as a human being.

## **Programs**

The College offers degree programs in Applied Mathematics, Biochemistry, Biology, Chemistry, Civil Engineering, Computer Science, Electrical Engineering, Engineering Physics, Environmental Science, Health and Human Sciences, Individualized Studies, Mathematics, Mechanical Engineering, Physics, and Systems Engineering. Frank R. Seaver College of Science and Engineering faculty also teach the science, technology, and mathematics component of the University Core curriculum. Courses numbered from 260-279 are designed specifically to meet the University Core requirements in Explorations: Nature of Science,

Technology, and Mathematics (ESTM) for students not majoring within the College. With the exception of MATH 101, other lower-division courses in the College may also satisfy University Core requirements, especially Foundations: Quantitative Reasoning (FQTR). Check with your Dean's office.

## Application of General University Requirements

The University requirements for admission and graduation and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the Frank R. Seaver College of Science and Engineering.

## Degrees Offered

Bachelor of Arts in:

- Biology
- Mathematics

Bachelor of Science in Engineering in:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

Bachelor of Science in:

- Applied Mathematics
- Applied Physics
- Biochemistry
- Biology
- Chemistry
- Computer Science
- Environmental Science
- Health and Human Sciences
- Individualized Studies
- Mathematics
- Physics

Master of Arts in Teaching in: Mathematics

Master of Science in Engineering in:

- Civil Engineering
- Electrical Engineering
- Mechanical Engineering

Master of Science in:

- Computer Science
- Environmental Science
- Systems Engineering

Dual degrees of Master of Science in Systems Engineering (offered by the Frank R. Seaver College of Science and Engineering) and MBA (offered by the Hilton College of Business)

In addition, the Frank R. Seaver College of Science and Engineering offers graduate Certificate Programs in Computer Science/Software Architecture, Cybersecurity, Groundwater Management, Internet of Things, Lean Healthcare Systems, Machine Learning, Pre-Medical Post-Baccalaureate, Project Management, Sustainability, Systems Engineering, Systems Engineering/Aeronautics and Space Systems, Water and Wastewater Treatment, and Water Quality Management.

## **Teacher Preparation Programs in Biology, Chemistry, and Mathematics**

Program Directors: Blake Mellor (Mathematics) and Carolyn Viviano (Biology and Chemistry)

The Frank R. Seaver College of Science and Engineering offers state accredited subject matter preparation programs in mathematics, biology, and chemistry. These programs meet the State of California subject matter requirements for a secondary teaching credential; a student who has successfully completed one of our subject matter programs (refer to the Mathematics, Biology, or Chemistry section of the University Bulletin) will receive a waiver for the California Subject Examinations for Teachers (CSET).

All three programs were designed in collaboration with the School of Education to enable students to complete their subject matter requirements and their preliminary credential in four years; however, this does require summer coursework. Alternatively, students can choose to complete the subject matter program in four years and obtain their credential as a masters level graduate student (refer to the School of Education section of the University Bulletin). It is recommended that students entering one of the subject matter programs meet with the program director to discuss their options before making a decision. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Liberal Arts part of the University Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible and should also contact the Center for Undergraduate Teacher Preparation (CUTP).

## **The Center for Student Success in Science and Engineering**

The Center for Student Success (CSS) in the Frank R. Seaver College of Science and Engineering coordinates and provides opportunities aimed at enhancing undergraduate students' academic performance and career prospects. Located in Pereira 100, CSS offers students a central location to access information that is integral to a successful educational experience. The CSS collaborates with other divisions on campus to provide students with information regarding career development, study abroad, and service opportunities to enhance the student's academic, professional, and personal development. In addition, the CSS offers support to prepare for admission into health professional schools, including a Pre-Medical Post-Baccalaureate program. These elements reinforce the shared mission of the University of encouragement of learning and the education of the whole person. For more information about the Center for Student Success, please contact the Associate Dean for Undergraduate Studies office at 310.338.2833 or [CSS@lmu.edu](mailto:CSS@lmu.edu).

## **Current Students Interested in Transferring to the Frank R. Seaver College of Science and Engineering (CSE)**

Students who are currently enrolled in a major at LMU outside of CSE but are interested in transferring to the CSE are encouraged to apply as early as possible. Students must have completed a semester of calculus (MATH 122/131) and a semester of general chemistry (CHEM 110/114) with a minimum grade of C (2.0) in each class. Students interested in the Computer Science or Mathematics major do not need the chemistry requirement. Individual programs may have additional requirements; refer to the University Bulletin for details. A minimum cumulative GPA of 3.0 is preferred for admission to the college. The

Associate Dean of CSE and the Department Chair will evaluate the application when the student has met the minimum requirements.

Attainment of minimum requirements may not always be sufficient to secure approval of transfer request.

## Core Curriculum for Students in the Frank R. Seaver College of Science and Engineering

CSE students enrolled in B.A. or B.S. degrees within the Frank R. Seaver College of Science and Engineering will follow the core curriculum as described below.

Science and Mathematics majors are required to complete **32 semester hours** of core courses to satisfy the University Core requirements. Engineering majors are required to complete **30 semester hours of Core**.

1. CSE students must complete **one course from each** of the following **core areas**:

	<b>Core Area</b>
<b>Foundations</b>	First Year Seminar
	Rhetorical Arts
	Theological Inquiry
	Philosophical Inquiry
	Studies in American Diversity
<b>Integrations</b>	Faith and Reason
	Ethics and Justice

2. To fulfill the rest of the core semester hour requirements, students take a combination of courses in the categories listed below taking at least one course under Explorations.

	<b>Core Area</b>
<b>Explorations</b>	Historical Analysis and Perspective
	Understanding Human Behavior
	Creative Experience
<b>Integrations</b>	Interdisciplinary Connections

3. Flagged Course requirements (200 level or higher): 5 flags required

- Writing: 2 Flags
- Oral Skills: 1 Flag
- Information Literacy: 1 Flag
- Engaged Learning: 1 Flag

Flagged courses will typically be courses that satisfy other Core, major, or elective requirements, so they will be incorporated over the student's four years of study. Foundations courses carry no flags.

*Quantitative Reasoning and Nature of Science, Technology, and Mathematics Core categories are met by the curriculum of the major in CSE. In addition, the Quantitative Reasoning Flag is met by the curriculum of the major in CSE.*

# Science, Engineering, and Mathematics

Science, Engineering, and Mathematics (SCEM) courses are offered by the Frank R. Seaver College of Science and Engineering.

## Certificate

### Pre-Medical Post-Baccalaureate Certificate

The Pre-Medical Post-Baccalaureate Program is committed to identifying self-motivated students who have the compassion, commitment, and potential to become excellent medical or dental school applicants. The program is geared for career changers who have a bachelor's degree outside of the hard sciences and have taken few, if any, of the courses listed below. Our post-baccalaureate program gives students an opportunity to demonstrate that they are prepared for the academic rigor of health professional school. If you are interested in helping improve the lives of others through medicine or dentistry, we invite you to apply.

### Program Outcomes

Students will:

1. Gain the scientific knowledge required to apply to medical or dental school
2. Learn how to become a competitive applicant

### Program Requirements

Eight courses are required to complete the certificate, and are chosen in consultation with the Program Director. Typical coursework includes:

- CHEM 110 General Chemistry I, CHEM 111 General Chemistry I Lab, CHEM 112 General Chemistry II, CHEM 113 General Chemistry II Lab
- CHEM 220 Organic Chemistry I, CHEM 221 Organic Chemistry I Lab, CHEM 222 Organic Chemistry II, CHEM 223 Organic Chemistry II Lab
- BIOL 101 General Biology I, BIOL 111 General Biology I Lab, BIOL 102 General Biology II, BIOL 112 General Biology II Lab
- PHYS 253 General Physics I, PHYS 254 General Physics II
- CHEM 370 Biochemistry
- Health Professions Advising I and II\*
- MATH 122 Calculus for the Life Sciences I (if needed)

\*Health Professions Advising I and II are not included in the eight courses needed for the certificate.

## Other Programs

### General Engineering

A General Engineering curriculum is offered during the first three semesters in which all requirements are nearly identical regardless of major. This provides maximum flexibility since students can switch to any major at any time during their first three

semesters without losing any time or credit. During this period, students can be classified as "Undecided Engineering" or can opt for one of the engineering majors--civil, electrical, or mechanical engineering. The principles and concepts that students learn during the General Engineering curriculum provide the foundation necessary for more advanced study in all engineering disciplines.

The freshman engineering faculty advisors advise all engineering students during the first two semesters. Students must consult each semester with their freshman advisor and register for the appropriate courses listed under the General Engineering curriculum. Any variation from the recommended paradigm must be approved by the freshman advisor.

Unless unusual circumstances suggest otherwise, a commitment to a particular major should be made before the second semester of the sophomore year. Students will then be assigned to a faculty advisor within their major. The Office of the Registrar must be informed whenever a student changes or declares a major.

## General Engineering Curriculum

### Freshman Year

#### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

### Sophomore Year

#### Fall Semester

- ENGR 200 Statics *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

- University Core 3-4 semester hours

Total: 17-18 semester hours

## **Biology**

## **Faculty**

Chairperson: Kam D. Dahlquist

Professors: Wendy J. Binder, Kam D. Dahlquist, Philippa M. Drennan, Martina G. Ramirez, Eric Strauss (Presidential Professor)

Associate Professors: Deepa Dabir, Nancy Fujishige, Michelle R. Lum, Carl R. Urbinati, Carolyn Viviano

Assistant Professors: Sarah Joy Bittick, Kristen Covino, Cory Evans, Maxellende Ezin, Maria Christina Vasquez, Demian Willette

The mission of the Biology Department is to promote an appreciation for and understanding of the science of biology in our students. The particular objectives of the Biology Department are to: (1) provide students with a broad background in the biological sciences; (2) enable students to master the essential concepts of biology; (3) develop students' ability to think critically about scientific information and solve scientific problems; (4) enable students to articulate ideas and present information in both written and oral forms in a clear, organized fashion; (5) encourage students to participate in original research; (6) promote interdisciplinary scholarship; (7) teach students the skills of both field and laboratory biology, and enable them to participate directly in the scientific discovery process; (8) facilitate students' independent exploration of career opportunities; and (9) participate in the University's effort to educate nonscience majors in the areas of science and technology.

The B.A. in Biology degree is a general liberal arts and sciences program. The B.A. will allow for a double major with other liberal arts programs. The B.A. in Biology Secondary Education Emphasis offers classroom experience and internship opportunities in addition to the subject matter content required by the State of California. Pre-professional students should select the program leading to the B.S. degree.

## **Bachelors**

## **Biology, B.A.**

### **Student Learning Outcomes for the B.A. Degree in Biology**

Program graduates will be able to:

- Demonstrate knowledge of the evolution of biological systems
- Demonstrate knowledge of the structure and function of biological systems
- Demonstrate knowledge of information flow, exchange, and storage in biological systems
- Demonstrate knowledge of pathways and transformations of energy and matter in biological systems
- Demonstrate knowledge of the interconnections and interactions in biological systems
- Be able to apply the scientific method to solve problems in biology

- Effectively communicate biological concepts in written and oral forms
- Have experience using field and laboratory skills
- Apply computational and quantitative methods to describe biological systems

Students completing a B.A. with a Secondary Science Emphasis will also be able to:

- Think logically and critically evaluate new information
- Integrate information from different fields of science
- Synthesize information and communicate ideas to diverse groups of students
- Design lessons that engage students in the process of inquiry (NGSS)
- Connect course content to real life situations and local issues
- Value ongoing assessment and professional development

## Major Requirements, Lower Division: B.A. in Biology

- BIOL 101 General Biology I *3 semester hours* \*
- BIOL 102 General Biology II *3 semester hours* \*
- BIOL 111 General Biology I Lab *2 semester hours* \*
- BIOL 112 General Biology II Lab *2 semester hours* \*
- BIOL 190 Freshman Biology Seminar *0 semester hours*
- BIOL 201 Cell Function *3 semester hours* \*
- BIOL 202 Genetics *3 semester hours* \*
- CHEM 110 General Chemistry I *3 semester hours* \*
- CHEM 111 General Chemistry I Lab *1 semester hours* \*
- CHEM 112 General Chemistry II *3 semester hours* \*
- CHEM 113 General Chemistry II Lab *1 semester hours* \*
- CHEM 220 Organic Chemistry I *3 semester hours*
- 6 semester hours of mathematics to include MATH 122 \*
- Plus 3 additional semester hours in science to be approved by the Department Chairperson

### Note:

*\* A student must complete with a C (2.0) average the courses indicated with an asterisk, including a C (2.0) average in BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, and BIOL 202, prior to becoming eligible to take any upper division biology course.*

## Major Requirements, Upper Division: B.A. in Biology

24 (B.A.) upper division semester hours in Biology, to be selected from the groups listed below, and include at least 6 lecture and 4 laboratory courses (these may include lecture/lab combinations, which are 4 semester hours) and a 2-semester-hour seminar or research course (see a-g below).

For the B.A. in Biology, the following are required (a-g below):

(a) One course in Cell/Organism Function to be selected from:

- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 340 Embryology *3 semester hours*
- BIOL 343 Developmental Biology *3 semester hours*
- BIOL 351 General Physiology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 357 Comparative Animal Physiology *3 semester hours*
- BIOL 358 Hormones and Behavior *4 semester hours*
- BIOL 440 Molecular Neurobiology *3 semester hours*
- BIOL 445 Endocrinology *3 semester hours*
- BIOL 449 Immunology *3 semester hours*
- BIOL 450 Physiology of Disease *3 semester hours*
- BIOL 456 Molecular Cell Biology and Lab *4 semester hours*

(b) One course in Molecular Biology to be selected from:

- BIOL 330 Embryology and Development *4 semester hours*
- BIOL 343 Developmental Biology *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 367 Biological Databases *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 375 Advanced Genetics *3 semester hours*
- BIOL 388 Biomathematical Modeling *3 semester hours*
- BIOL 437 Plant Development *3 semester hours*
- BIOL 439 Molecular Biology Applications *4 semester hours*
- BIOL 440 Molecular Neurobiology *3 semester hours*
- BIOL 443 Molecular Biology *3 semester hours*
- BIOL 456 Molecular Cell Biology and Lab *4 semester hours*
- BIOL 478 Molecular Biology of the Genome *4 semester hours*
- BIOL 479 Molecular Mechanisms of Disease *3 semester hours*

(c) One course in Organismal Diversity to be selected from:

- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 334 Invertebrate Zoology *4 semester hours*
- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 361 General Microbiology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 460 Environmental Microbiology *3 semester hours*

(d) One course in Populations to be selected from:

- BIOL 304 Biostatistical Analysis *3 semester hours*
- BIOL 309 Applied Plant Ecology *3 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 472 Epidemiology *3 semester hours*
- BIOL 474 Principles of Evolution *3 semester hours*
- BIOL 475 Evolution *4 semester hours*
- BIOL 477 Conservation Genetics *4 semester hours*

Note:

Classes above can only satisfy ONE area (a-d), even if listed in more than one area.

(e) One 2-semester-hour 500-level seminar or research course

(f) Additional upper division biology courses (2 courses for the B.A.)

(g) The above requirements (a-f) must also include:

(i) One plant biology course to be selected from:

- BIOL 309 Applied Plant Ecology *3 semester hours*
- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 312 Field Botany *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 437 Plant Development *3 semester hours*

AND

(ii) One field biology course to be selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 322 Urban Ecology Lab *1 semester hours*

- BIOL 325 Avian Biology Lab *1 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 380 Tropical Marine Ecology Laboratory *1 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 424 Marine Physiology Laboratory *1 semester hours*

### Note:

BIOL 312 can satisfy only one of these two categories (either plant OR field, not both).

Upper division biology courses may be taken as electives. Students preparing for specific graduate careers should discuss appropriate courses with their advisors.

### Note:

To graduate as a biology major, a student must accumulate a C (2.0) average in all major requirements.

## B.A. Degree--Biology Curriculum

*(120 S.H.)\**

### Freshman Year

#### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 190 Freshman Biology Seminar *0 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- MATH Mathematics *3 semester hours\*\**

Total: 15-16 semester hours

#### Spring Semester

- BIOL 102 General Biology II *3 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 15-16 semester hours

## Sophomore Year

### Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 14 semester hours

### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- Science Elective *3 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 14 semester hours

## Junior Year

### Fall Semester

- BIOL Upper Division *4 semester hours*
- University Core *4 semester hours*
  
- University Core or
- Elective *4 semester hours*\*\*\*
  
- Elective *4 semester hours*

Total: 16 semester hours

### Spring Semester

- BIOL Upper Division *4 semester hours*
- BIOL Upper Division *3 semester hours*
- University Core *4 semester hours*
- Elective *4 semester hours*

Total: 15 semester hours

## Senior Year

### Fall Semester

- BIOL Upper Division *4 semester hours*
- BIOL Seminar or Research *2 semester hours*
- Upper Division Elective *4 semester hours*
- Upper Division Elective *4 semester hours*

Total: 14 semester hours

### Spring Semester

- BIOL Upper Division *4 semester hours*
- BIOL Upper Division *3 semester hours*
- Upper Division Elective *4 semester hours*
- Upper Division Elective *4 semester hours*

Total: 15 semester hours

Total: 120 semester hours

*\* A minimum of 45 upper division semester hours are required to complete the degree.*

*\*\* The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.*

*\*\*\* A minimum of 32 core semester hours are required. The sequence of the University Core courses should be discussed with the student's advisor.*

## B.A. Degree--Biology Secondary Science Education Emphasis Curriculum

The B.A. in Biology with a Secondary Science Emphasis has been accredited by the State of California. Students who have successfully completed the Single Subject Matter Program in Biology (SSEB) will receive a waiver and do not have to take the CSET (California Subject Examinations for Teachers) exam; completion of the program demonstrates subject matter competency. The program goal is to produce teachers who are confident in their ability to implement the next generation science standards (NGSS), to adapt to future changes, and who have the capacity to teach science as a process of inquiry and excite curiosity in their students. A student who has successfully completed our program should possess the knowledge and expertise that will enable him/her to become a confident, enthusiastic, and effective teacher.

For the B.A. in Biology, Secondary Science Education Emphasis, the prescribed 29 upper division semester hours provide the depth of subject matter content required by the State of California.

### Major Requirements, Lower Division: for the B.A. in Secondary Science Education Emphasis

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*

- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 112 General Biology II Lab 2 *semester hours*
- BIOL 190 Freshman Biology Seminar 0 *semester hours*
- BIOL 201 Cell Function 3 *semester hours*
- BIOL 202 Genetics 3 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 111 General Chemistry I Lab 1 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- CHEM 113 General Chemistry II Lab 1 *semester hours*
- CHEM 220 Organic Chemistry I 3 *semester hours*
- CHEM 221 Organic Chemistry I Lab 1 *semester hours*
- ENVS 250 Earth Science 3 *semester hours*
- MATH 122 Calculus for the Life Sciences I 3 *semester hours*
  
- MATH 123 Calculus for the Life Sciences II 3 *semester hours* or
- MATH 204 Applied Statistics 3 *semester hours* (MATH 131, MATH 132 may be substituted for MATH 122, MATH 123)
  
- PHYS 253 General Physics I 4 *semester hours*
- PHYS 254 General Physics II 4 *semester hours*
- PHYS 271 Astronomy 3 *semester hours*

### Note:

A student must complete the lower division requirements with a C (2.0) average.

## Major Requirements, Upper Division: for the B.A. in Secondary Science Education Emphasis

29 upper division semester hours, as follows:

- BIOL 318 Principles of Ecology 4 *semester hours*
- BIOL 351 General Physiology 3 *semester hours*
- BIOL 352 General Physiology Lab 1 *semester hours*
  
- BIOL 474 Principles of Evolution 3 *semester hours* or
- BIOL 475 Evolution 4 *semester hours*
  
- 1 BIOL elective 3-4 *semester hours*
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment 3 *semester hours*
- SCEM 370 Workshop Biology: Life Works I 3 *semester hours*
- SCEM 371 Workshop Biology: Life Works I Laboratory 1 *semester hours*
- SCEM 372 Workshop Biology: Life Works II 3 *semester hours*
- SCEM 373 Workshop Biology: Life Works II Laboratory 1 *semester hours*
  
- SCEM 491 Science Education Internship 1 TO 4 *semester hours* or
- SCEM 591 Science Education Internship 1 TO 4 *semester hours*

## Note:

In order to graduate as a biology major and receive a subject matter waiver, a student must accumulate a C (2.0) average in all major requirements.

## B.A. Degree--Biology Secondary Science Education Emphasis Curriculum Four Year Plan

### Freshman Year

#### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 12-13 semester hours

#### Spring Semester

- BIOL 102 General Biology II *3 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
  
- MATH 123 Calculus for the Life Sciences II *3 semester hours* or
- MATH 204 Applied Statistics *3 semester hours*
  
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 15-16 semester hours

### Sophomore Year

#### Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
  
- HIST 1300 Becoming America *4 semester hours* or
- HIST 1301 America and the Atlantic World 1450-1850 *4 semester hours* or
- HIST 1401 The United States and the Pacific World *4 semester hours*

- EDUR 400 Sociocultural Analysis of Education *3 semester hours*

Total: 14 semester hours

### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Junior Year

#### Fall Semester

- BIOL 318 Principles of Ecology *4 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- SCEM 370 Workshop Biology: Life Works I *3 semester hours*
- SCEM 371 Workshop Biology: Life Works I Laboratory *1 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 15-16 semester hours

#### Spring Semester

- PHYS 254 General Physics II *4 semester hours*
- SCEM 372 Workshop Biology: Life Works II *3 semester hours*
- SCEM 373 Workshop Biology: Life Works II Laboratory *1 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-16 semester hours

### Senior Year

#### Fall Semester

- BIOL 351 General Physiology *3 semester hours*
- BIOL 352 General Physiology Lab *1 semester hours*
- Biology Upper Division Elective *3-4 semester hours*
- PHYS 271 Astronomy *3 semester hours*
- SCEM 491 Science Education Internship *1 TO 4 semester hours*
- University Core *3-4 semester hours*

Total: 14-19 semester hours

### Spring Semester

- BIOL 474 Principles of Evolution *3 semester hours* or
- BIOL 475 Evolution *4 semester hours*
  
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 15-19 semester hours

Total: 126 semester hours

### Note:

1. The course sequence in Mathematics depends on the results of the mathematics placement examination.
2. Each of the listed courses meets the US Constitution credential requirement for future teachers.
3. The science education internship is placed in the paradigm during the senior year where the units can be accommodated. However, students are encouraged to complete the internship requirement as early as possible after completion of their sophomore year.
4. Both ENVS 357 and ENVS 358 meet the environmental science requirement; however, ENVS 357 is offered in the Fall, therefore students must plan accordingly.

A minimum of 32 University Core semester hours are required. The sequence of the University Core courses should be discussed with the student's advisor.

## Biology, B.S.

The B.S. in Biology degree prepares students for a variety of careers following graduation. Substantial numbers of students go on to health professional schools to study medicine, dentistry, pharmacy, optometry, podiatric medicine, and veterinary medicine. Other students go on to various graduate programs in the basic biological sciences (e.g., physiology, genetics, molecular biology, immunology, microbiology, marine biology, ecology, etc.), college teaching, and positions in industry and in research and development.

### Student learning outcomes for the B.S. degree in Biology:

- Demonstrate knowledge of the evolution of biological systems
- Demonstrate knowledge of the structure and function of biological systems
- Demonstrate knowledge of information flow, exchange, and storage in biological systems
- Demonstrate knowledge of pathways and transformations of energy and matter in biological systems
- Demonstrate knowledge of the interconnections and interactions in biological systems
- Be able to apply the scientific method to solve problems in biology
- Effectively communicate biological concepts in written and oral forms
- Have experience using field and laboratory skills
- Apply computational and quantitative methods to describe biological systems

## Major Requirements, Lower Division: B.S. in Biology

- BIOL 101 General Biology I *3 semester hours* \*
- BIOL 102 General Biology II *3 semester hours* \*
- BIOL 111 General Biology I Lab *2 semester hours* \*
- BIOL 112 General Biology II Lab *2 semester hours* \*
- BIOL 190 Freshman Biology Seminar *0 semester hours*
- BIOL 201 Cell Function *3 semester hours* \*
- BIOL 202 Genetics *3 semester hours* \*
- CHEM 110 General Chemistry I *3 semester hours* \*
- CHEM 111 General Chemistry I Lab *1 semester hours* \*
- CHEM 112 General Chemistry II *3 semester hours* \*
- CHEM 113 General Chemistry II Lab *1 semester hours* \*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours* \*
  
- MATH 123 Calculus for the Life Sciences II *3 semester hours*  
or
- MATH 204 Applied Statistics *3 semester hours*
  
- PHYS 253 General Physics I *4 semester hours*
- PHYS 254 General Physics II *4 semester hours*

### Note:

(MATH 131, MATH 132 may be substituted for MATH 122, MATH 123)

\* A student must complete with a C (2.0) average the lower division requirements indicated by asterisks, including a C (2.0) average in BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, and BIOL 202, prior to becoming eligible to take any upper division biology course.

## Major Requirements, Upper Division: B.S. in Biology

27 (B.S.) upper division semester hours in Biology, to be selected from the groups listed below, and include at least 7 lecture and 4 laboratory courses (these may include lecture/lab combinations, which are 4 semester hours, and a 2-semester-hour seminar or research course).

The following are required (a-g below):

### (a) One course in Cell/Organism Function to be selected from:

- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 340 Embryology *3 semester hours*
- BIOL 343 Developmental Biology *3 semester hours*
- BIOL 351 General Physiology *3 semester hours*

- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 357 Comparative Animal Physiology *3 semester hours*
- BIOL 358 Hormones and Behavior *4 semester hours*
- BIOL 440 Molecular Neurobiology *3 semester hours*
- BIOL 445 Endocrinology *3 semester hours*
- BIOL 449 Immunology *3 semester hours*
- BIOL 450 Physiology of Disease *3 semester hours*
- BIOL 456 Molecular Cell Biology and Lab *4 semester hours*

(b) One course in Molecular Biology to be selected from:

- BIOL 330 Embryology and Development *4 semester hours*
- BIOL 343 Developmental Biology *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 367 Biological Databases *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 375 Advanced Genetics *3 semester hours*
- BIOL 388 Biomathematical Modeling *3 semester hours*
- BIOL 437 Plant Development *3 semester hours*
- BIOL 439 Molecular Biology Applications *4 semester hours*
- BIOL 440 Molecular Neurobiology *3 semester hours*
- BIOL 443 Molecular Biology *3 semester hours*
- BIOL 456 Molecular Cell Biology and Lab *4 semester hours*
- BIOL 478 Molecular Biology of the Genome *4 semester hours*
- BIOL 479 Molecular Mechanisms of Disease *3 semester hours*

(c) One course in Organismal Diversity to be selected from:

- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 334 Invertebrate Zoology *4 semester hours*
- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 361 General Microbiology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 460 Environmental Microbiology *3 semester hours*

(d) One course in Populations to be selected from:

- BIOL 304 Biostatistical Analysis *3 semester hours*

- BIOL 309 Applied Plant Ecology *3 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 472 Epidemiology *3 semester hours*
- BIOL 474 Principles of Evolution *3 semester hours*
- BIOL 475 Evolution *4 semester hours*
- BIOL 477 Conservation Genetics *4 semester hours*

**Note:**

Classes above can only satisfy ONE area (a-d), even if listed in more than one.

(e) One 2-semester-hour 500-level seminar or research course

(f) Additional upper division biology courses (3 courses for the B.S.)

(g) The above requirements (a-f) must also include:

(i) One plant biology course to be selected from:

- BIOL 309 Applied Plant Ecology *3 semester hours*
- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 312 Field Botany *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 355 Plants, Pharmacy, and Medicine *3 semester hours*
- BIOL 370 Plant Biotechnology *3 semester hours*
- BIOL 437 Plant Development *3 semester hours*

AND

(ii) One field biology course to be selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 322 Urban Ecology Lab *1 semester hours*
- BIOL 325 Avian Biology Lab *1 semester hours*
- BIOL 328 Tropical Marine Ecology *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*

- BIOL 338 Animal Behavior *4 semester hours*
- BIOL 380 Tropical Marine Ecology Laboratory *1 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- BIOL 424 Marine Physiology Laboratory *1 semester hours*

## Note:

BIOL 312 can satisfy only one of these two categories (either plant OR field, not both).

Upper division biology courses may be taken as electives. Students preparing for specific graduate careers should discuss appropriate courses with their advisors.

To graduate as a biology major, a student must accumulate a C (2.0) average in all major requirements.

## B.S. Degree--Biology Curriculum

*(124 S.H.)\**

### Freshman Year

#### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 190 Freshman Biology Seminar *0 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours \*\**
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 15-16 semester hours

#### Spring Semester

- BIOL 102 General Biology II *3 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 123 Calculus for the Life Sciences II *3 semester hours or*
- MATH 204 Applied Statistics *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 15-16 semester hours

### Sophomore Year

## Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

## Spring Semester

- BIOL 202 Genetics *3 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

## Junior Year

### Fall Semester

- BIOL Upper Division *4 semester hours*
- PHYS 253 General Physics I *4 semester hours* \*\*\*
- University Core *4 semester hours*
  
- University Core *4 semester hours* or
- Elective *4 semester hours*\*\*\*\*

Total: 16 semester hours

### Spring Semester

- BIOL Upper Division *4 semester hours*
- BIOL Upper Division *3 semester hours*
- PHYS 254 General Physics II *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

## Senior Year

### Fall Semester

- BIOL Upper Division 4 *semester hours*
- BIOL Upper Division 3 *semester hours*
- BIOL Seminar or Research 2 *semester hours*
- Upper Division Elective 3 *semester hours*
- Upper Division Elective 4 *semester hours*

Total: 16 semester hours

## Spring Semester

- BIOL Upper Division 4 *semester hours*
- BIOL Upper Division 3 *semester hours*
- Upper Division Elective 3 *semester hours*
- Elective 3 *semester hours*
- Elective 3 *semester hours*

Total: 16 semester hours

Total: 124 semester hours

*\* A minimum of 124 semester hours including 45 upper division hours are required to complete the degree.*

*\*\* The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.*

*\*\*\* Students who have completed MATH 122 or MATH 131 may begin the physics sequence in the Fall semester of either the sophomore or junior year.*

*\*\*\*\* A minimum of 32 core semester hours are required. The sequence of the University Core courses should be discussed with the student's advisor.*

## Minor

### Biology Minor

#### Minor Requirements

- BIOL 101 General Biology I 3 *semester hours*
- BIOL 102 General Biology II 3 *semester hours*
- BIOL 111 General Biology I Lab 2 *semester hours*
- BIOL 112 General Biology II Lab 2 *semester hours*
- BIOL 201 Cell Function 3 *semester hours*
- BIOL 202 Genetics 3 *semester hours*
- CHEM 110 General Chemistry I 3 *semester hours*
- CHEM 112 General Chemistry II 3 *semester hours*
- Plus 7 semester hours in upper division BIOL courses

## Note:

The upper division courses for the minor must be selected under the direction of the Chairperson of the Department.

An average grade of C (2.0) must be accumulated in all lower division requirements prior to taking upper division courses. An average grade of C (2.0) must also be accumulated in all upper division courses included in the minor.

# Chemistry and Biochemistry

## Faculty

Chairperson: David A. Moffet

Professors: S. W. Tina Choe, Lambert A. Doezema, James M. Landry, Jeremy E.B. McCallum, David A. Moffet

Associate Professors: Nicole C. Bouvier-Brown, Emily A. Jarvis, Thomas J. Reilly

Assistant Professors: Stephen T. Heller, Sarah F. Mitchell, Kathryn D. Mouzakis

Senior Instructor: Robert Senter

The chemistry and biochemistry curricula provide students with a solid foundation necessary for careers in research, health professions, teaching, and industry. The flexibility of the programs gives students the opportunity to explore areas that build upon that foundation. Examples of these areas include forensics, environmental science, and materials science. In addition, students acquire skills in critical thinking and problem solving useful in other professions such as law and business.

Chemistry and biochemistry are empirical sciences. In addition to intellectual mastery of the disciplines, the major programs also develop practical experimental skills. The LMU student obtains "hands on" experience, both in traditional synthetic and analytic bench chemistry, as well as in major contemporary methods and techniques, enhanced by the department's collection of modern instrumentation.

Because of the complex and sensitive nature of the equipment and techniques of chemistry and biochemistry, continued participation in the programs is contingent on appropriate development of the ability to work maturely and responsibly in the laboratory.

## Bachelors

## Biochemistry, B.S.

### Objectives

The Bachelor of Science in Biochemistry degree program provides the student with a flexible program that builds upon a solid fundamental knowledge in chemistry and biochemistry. Students work with their advisors/chairperson to select upper division elective courses in emphasis areas like health sciences--which include but are not limited to medicine, pharmacy, dentistry, optometry--and areas such as forensics, environmental chemistry, education, etc.

Students may elect to receive an American Chemical Society (ACS) certified degree for the Biochemistry degree program by taking specific courses outlined below. The ACS-certified degree, approved by the Committee on Professional Training of the

American Chemical Society (ACS), is designed to prepare the student not only for immediate entry into the profession of biochemistry at the Bachelor's level but also for graduate study toward advanced degrees.

Student learning outcomes for the biochemistry major:

- Students understand essential concepts in chemistry and biochemistry.
- Students exhibit competence in the chemistry/biochemistry laboratory.
- Students demonstrate the ability to think critically in analyzing scientific information and problem solving.
- Students will demonstrate effective written and oral communication skills.
- Students are knowledgeable about career opportunities in the chemical sciences.
- Students appreciate the value of science to society.

## Major Requirements

### Lower Division Requirements: Biochemistry

- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

#### Note:

A grade of at least C (2.0) is required in each of the CHEM courses. With approval of the Chairperson, MATH 122 and MATH 123; PHYS 253 and PHYS 254 may be substituted for MATH 131 and MATH 132; PHYS 101 and PHYS 201. An average of C (2.0) is required for the BIOL, MATH, and PHYS courses.

### Upper Division Requirements: Biochemistry

32 upper division semester hours of CHEM and CHEM/BIOL courses, including

- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*

- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 372 Advanced Biochemistry *3 semester hours*
- CHEM 373 Advanced Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*

## The remaining semester hours

may be fulfilled with any upper division chemistry electives or upper division biology electives approved by and selected in conjunction with your academic advisor/chairperson from:

- BIOL 330 Embryology and Development *4 semester hours*
- BIOL 351 General Physiology *3 semester hours*
- BIOL 353 Plant Physiology *3 semester hours*
- BIOL 356 Cell Biology *3 semester hours*
- BIOL 359 Cell Biology Laboratory *1 semester hours*
- BIOL 361 General Microbiology *3 semester hours*
- BIOL 367 Biological Databases *3 semester hours*
- BIOL 368 Bioinformatics Laboratory *1 semester hours*
- BIOL 437 Plant Development *3 semester hours*
- BIOL 439 Molecular Biology Applications *4 semester hours*
- BIOL 443 Molecular Biology *3 semester hours*
- BIOL 445 Endocrinology *3 semester hours*
- BIOL 449 Immunology *3 semester hours*
- BIOL 478 Molecular Biology of the Genome *4 semester hours*
- BIOL 479 Molecular Mechanisms of Disease *3 semester hours* or
- By consent of the Chairperson.

### Note:

Except for CHEM 390 and CHEM 490, an average grade of C (2.0) is required for courses included in the upper division requirements of the major. All upper division courses must be completed at LMU. Strongly recommended for those intending graduate study: CHEM 397/CHEM 497. A maximum of 12 semester hours of Chemistry/Biochemistry Internship and/or Directed Research (CHEM 393, CHEM 397, CHEM 493, CHEM 497) may be included toward the total baccalaureate requirement. CHEM courses with Credit/No Credit grading do not count toward the upper division elective requirements of the major.

To be eligible for the Dean's list, students must have completed 14 semester hours at LMU for that semester.

## Biochemistry Curriculum

*(124 S.H.)*

### Freshman Year

### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 18 semester hours

### Spring Semester

- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 16 semester hours

### Sophomore Year

#### Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

#### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- University Core *4 semester hours*

Total: 15 semester hours

### Junior Year

#### Fall Semester

- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 17 semester hours

### Spring Semester

- CHEM 372 Advanced Biochemistry *3 semester hours*
- CHEM 373 Advanced Biochemistry Lab *1 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

### Senior Year

#### Fall Semester

- CHEM 491 Chemistry Seminar *1 semester hours*
- CHEM/BIOLOG Upper Division Elective *3 semester hours*
- University Core/Elective *4 semester hours\**
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

#### Spring Semester

- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM/BIOLOG Upper Division Elective *3 semester hours*
- CHEM/BIOLOG Upper Division Elective *3 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours\*\*

Total: 124 semester hours

## Note:

\*Biochemistry majors are required to complete 32 semester hours of core courses to satisfy the University Core requirements.

\*\*Dean's list requires minimum 14 semester hours.

\*\*\*Students electing to receive an American Chemical Society (ACS) certified degree for the Biochemistry degree program must successfully pass CHEM 330: Inorganic Chemistry and any CHEM Upper Division Elective that has a laboratory component. Please consult with your academic advisor on which specific courses meet this laboratory requirement.

## Chemistry, B.S.

### Objectives

The Bachelor of Science in Chemistry degree program provides the student with a flexible program that builds upon a solid fundamental knowledge in chemistry. Students work with their advisors/chairperson to select upper division elective courses in emphasis areas like analytical, organic, inorganic, or physical chemistry or health sciences-which include but are not limited to medicine, pharmacy, dentistry, optometry-and areas such as forensics, environmental chemistry, education, etc.

The Bachelor of Science in Chemistry degree program, approved by the Committee on Professional Training of the American Chemical Society (ACS), ACS-certified track in Chemistry, is designed to prepare the student not only for immediate entry into the profession of chemistry at the Bachelor's level but also for graduate study toward advanced degrees.

Student learning outcomes for the chemistry major:

- Students understand essential concepts in chemistry and biochemistry.
- Students exhibit competence in the chemistry/biochemistry laboratory.
- Students demonstrate the ability to think critically in analyzing scientific information and problem solving.
- Students will demonstrate effective written and oral communication skills.
- Students are knowledgeable about career opportunities in the chemical sciences.
- Students appreciate the value of science to society.

### Major Requirements

#### Lower Division Requirements: Chemistry

- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- MATH 131 Calculus I *4 semester hours*

- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

### Note:

A grade of at least C (2.0) is required in each of the CHEM courses. With approval of the Chairperson, MATH 122 and MATH 123; PHYS 253 and PHYS 254 may be substituted for MATH 131 and MATH 132; PHYS 101 and PHYS 201. An average of C (2.0) is required for the BIOL, MATH, and PHYS courses.

## Upper Division Requirements: Chemistry

32 upper division semester hours of CHEM courses, including

- CHEM 330 Inorganic Chemistry *3 semester hours*
- CHEM 331 Inorganic Chemistry Lab *1 semester hours*
- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 342 Advanced Physical Chemistry *3 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*

### The remaining semester hours

may be fulfilled with any upper division chemistry electives or other CSE upper division electives approved by and selected in conjunction with your academic advisor/chairperson.

Except for CHEM 390 and CHEM 490, an average grade of C (2.0) is required for courses included in the upper division requirements of the major. All upper division courses must be completed at LMU. Strongly recommended for those intending graduate study: CHEM 397/CHEM 497. A maximum of 12 semester hours of Chemistry/Biochemistry Internship and/or Directed Research (CHEM 393, CHEM 397, CHEM 493, CHEM 497) may be included toward the 124-hour baccalaureate requirement. CHEM courses with Credit/No Credit grading do not count toward the upper division elective requirements of the major.

To be eligible for the Dean's list, students must have completed 14 semester hours at LMU for that semester.

## Chemistry Curriculum

*(124 S.H.)*

### Freshman Year

#### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 190 World of Chemistry and Biochemistry *1 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 18 semester hours

### Spring Semester

- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 16 semester hours

### Sophomore Year

#### Fall Semester

- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

#### Spring Semester

- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 360 Analytical Chemistry and Lab *4 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

### Junior Year

#### Fall Semester

- CHEM 340 Physical Chemistry *3 semester hours*
- CHEM 341 Physical Chemistry Lab *1 semester hours*
- CHEM 370 Biochemistry *3 semester hours*
- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 390 Chemistry Seminar *1 semester hours*
- University Core *4 semester hours*
- University Core *4 semester hours*

Total: 17 semester hours

### Spring Semester

- CHEM 342 Advanced Physical Chemistry *3 semester hours*
- CHEM 391 Chemistry Seminar *1 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- University Core/Elective *4 semester hours\**
- Elective *3-4 semester hours*

Total: 14-15 semester hours

### Senior Year

#### Fall Semester

- CHEM 330 Inorganic Chemistry *3 semester hours*
- CHEM 331 Inorganic Chemistry Lab *1 semester hours*
- CHEM 491 Chemistry Seminar *1 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-17 semester hours

#### Spring Semester

- CHEM 490 Chemistry Seminar *1 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- CHEM Upper Division Elective *3 semester hours*
- Upper Division Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 13-15 semester hours\*\*

Total: 124 semester hours

## Note:

\*Chemistry majors are required to complete 32 semester hours of core courses to satisfy the University Core requirements.

\*\*Dean's list requires minimum 14 semester hours.

## Minor

### Biochemistry Minor

#### Minor Requirements: Biochemistry

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- CHEM 370 Biochemistry *3 semester hours*

#### And 4 additional upper division semester hours selected from

- CHEM 371 Biochemistry Lab *1 semester hours*
- CHEM 372 Advanced Biochemistry *3 semester hours*
- CHEM 373 Advanced Biochemistry Lab *1 semester hours*
- CHEM 434 Bioinorganic Chemistry *3 semester hours*
- CHEM 476 Advanced Topics in Biochemistry and Biotechnology *3 semester hours*
- CHEM 478 Introduction to Virology *3 semester hours*
- CHEM 480 Medicinal Chemistry *3 semester hours*
- CHEM 482 Toxicology *3 semester hours* or
- Other advanced biochemical elective including one upper division laboratory course.

## Note:

These must be selected under the direction of the Chairperson of the Department. CHEM 370 and other upper division courses used for the minor cannot also count toward the individual's major. A grade of C (2.0) is required for CHEM courses included in the lower division requirements of the minor. An average grade of C (2.0) is required for all other courses included in the requirements of the minor.

# Chemistry Minor

## Minor Requirements: Chemistry

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- CHEM 222 Organic Chemistry II *3 semester hours*
- CHEM 223 Organic Chemistry II Lab *1 semester hours*
- A minimum of 7 upper division semester hours of CHEM courses including one upper division laboratory course.

### Note:

These must be selected under the direction of the Chairperson of the Department. Upper division chemistry courses used for the minor cannot also count toward the individual's major.

A grade of at least C (2.0) is required for CHEM courses included in the lower division requirements of the minor. An average grade of C (2.0) is required for all other courses included in the requirements of the minor.

No chemistry minor is available in conjunction with a biochemistry major. It is suggested that the student interested in in-depth study of both subjects should major in chemistry and minor in biochemistry.

# Computer Science

## Faculty

Chairperson: Raymond J. Toal

Professors: John David N. Dionisio, Raymond J. Toal

Associate Professor: Barbara E. Marino

Assistant Professors: Andrew Forney, Jordan Freitas, Mandy Korpusik, Delaram Yazdanehpas

Clinical Professor: Robert W. Johnson

Lecturers: Josh Morgan, Scott Niebuhr, Masahji Stewart, Bonne Triezenberg, Alissa Volosin

## Description

The Department of Computer Science provides undergraduate and graduate programs featuring courses and laboratories in data structures and algorithms, computation theory, artificial intelligence and machine learning, computer systems, computer graphics

and user experience, programming languages and translation, database systems, human factors and ethics, as well as other traditional and modern subject areas.

## **Mission**

The Computer Science Department at Loyola Marymount University seeks to be a recognized venue for excellent baccalaureate education in computing through a solid curricular foundation in computation, integration of interdisciplinary studies, emphasis in communication skills, collaboration with industry, and service to professional societies and the community.

## **Bachelors**

### **Computer Science, B.S.**

#### **Program Educational Objectives**

The Computer Science program educational objectives are:

1. Preparation for professional practice
2. Preparation for advanced study
3. Promotion of the ideas of life-long learning
4. Development of self-fulfillment through professional activity
5. Development of ethical values and personal responsibility

The program educational objectives are met by a modern curriculum that balances computing practices with the fundamental theories of computer science. Mathematics and digital hardware courses are important components of the curriculum. In addition to traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curriculum includes studies in the humanities, communications, social sciences, and fine arts. Opportunities for involvement in professional societies, student design competitions, public open source projects, research with faculty, and University co-curricular activities are plentiful and help to accomplish these objectives.

#### **Student Outcomes**

Graduates of the Computer Science undergraduate program will be able to:

1. Communicate the purpose and technical details of a software system
2. Work effectively as a team member
3. Apply the right language or tool for a given computing task
4. Design, implement, test, and evaluate software components and systems

#### **Transfer Requirements**

Students interested in transferring into the Computer Science undergraduate program must complete MATH 131, CMSI 185, and CMSI 186 with a minimum grade of B (3.0) in each course before being considered. Final approval of the transfer request resides with the department chair.

#### **Graduation Requirements**

Department criteria for graduation include (1) completion of at least 124 semester hours covering all requirements below, with (2) a minimum of 45 semester hours of upper division courses, and (3) a minimum grade point average of C (2.0) in the upper division courses.

The following courses are to be completed:

- *Computer Science Core* (47 semester hours): CMSI 185, CMSI 186, CMSI 281, CMSI 282, CMSI 284, CMSI 370, CMSI 371, CMSI 385, CMSI 386, CMSI 387, CMSI 401, CMSI 402, CMSI 486, CMSI 488
- *Electrical Engineering* (6 semester hours): ELEC 281, ELEC 385
- *Math Core* (14 semester hours): MATH 131, MATH 132, MATH 248, MATH 366
- *Technical Electives* (9 semester hours): 1) CMSI 432 or MATH 360, 2) one upper division computer science or mathematics course, and 3) one elective course from the Frank R. Seaver College of Science and Engineering
- *University Core*: A minimum of 32 semester hours that must include the following:

Course	Semester Hours
FFYS 1000	3*
RHET 1000	4
Philosophical Inquiry	4
Theological Inquiry	4
American Diversity	4
Faith and Reason	4
Ethics and Justice	4
CMSI 370 Interaction Design (also a Computer Science requirement; satisfies the core requirement Understanding Human Behavior)	3
CMSI 371 Computer Graphics (also a Computer Science requirement; satisfies the core requirement Creative Experience)	3
Additional <i>Explorations</i> or <i>Integrations</i> courses <i>if</i> necessary to achieve the 32 semester hour minimum. This is typically not necessary unless the student has transferred courses from other institutions with less than 4 semester hours of transfer credit.	
* Course may be 3 or 4 semester hours	

- *Free Electives*: Courses necessary to bring the total semester hour count to 124. Students will normally prepare a coherent program of electives and related core courses with a faculty advisor. For students not pursuing a second major or minor, the following tracks are suggested, but not required:
  - **Business and Information Management**: A CMSI course or independent study in electronic markets, selected electives from economics or business, and multiple courses from Information Systems and Business Analytics, such as ISBA 3720 Systems Analysis and Design.
  - **Scientific Computing**: MATH 250 Linear Algebra, three suitable science courses, two math courses (with a computational component), and fulfillment of the CMSI elective with an interdisciplinary course such as CMSI 367 Biological Databases.

- **Games and Animation:** CMSI 375 Game Design and CMSI 376 Game Development, together with several suitable animation (ANIM) courses, and one physics course, preferably PHYS 101 Introduction to Mechanics (which can be used for the science elective).
- **Mathematics:** Five or more courses selected from Calculus III, Differential Equations, Linear Algebra, Abstract Algebra, Methods of Applied Math, Real Variables, Complex Variables, Topology, or any upper division mathematics course.
- **Cognitive Science:** CMSI 485 Artificial Intelligence, plus one CMSI elective or independent study in advanced artificial intelligence, PSYC 2003 Brain and Behavior (with appropriate PSYC prerequisites), PSYC 4001 Cognitive Neuroscience (with appropriate prerequisites). One or more courses in linguistics or the philosophy of language and thought are recommended.
- **General Breadth Track:** Any number of free electives to create a broad-based education. A mix of martial arts, languages, music or music theory, film, animation, psychology, and various selections from the humanities and creative arts are common choices.

## Curriculum

The typical course of study leading to the B.S. degree in computer science is as follows:

### Freshman Year

#### Fall Semester

- CMSI 185 Computer Programming *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- CMSI 186 Programming Laboratory *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 16-17 semester hours

### Sophomore Year

#### Fall Semester

- CMSI 281 Data Structures *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*

- Elective *3 semester hours*

Total: 16 semester hours

## Spring Semester

- CMSI 282 Algorithms *3 semester hours*
- CMSI 284 Computer Systems Organization *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*
- University Core *4 semester hours*

Total: 16 semester hours

## Junior Year

### Fall Semester

- CMSI 370 Interaction Design *3 semester hours*
- CMSI 385 Introduction to Theory of Computation *3 semester hours*
- CMSI 386 Programming Languages *3 semester hours*
- University Core *4 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

### Spring Semester

- CMSI 371 Computer Graphics *3 semester hours*
- CMSI 387 Operating Systems *3 semester hours*
- CMSI 488 Language Translation and Implementation *4 semester hours*
- ELEC 385 Computer System Design *3 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

## Senior Year

### Fall Semester

- CMSI 401 Software Engineering Lab *3 semester hours*
- CMSI 486 Introduction to Database Systems *3 semester hours*
- CMSI 485 Artificial Intelligence *3 semester hours* or
- MATH 360 Introduction to Probability and Statistics *3 semester hours*

- University Core *4 semester hours*
- Elective *3 semester hours*

Total: 16 semester hours

## Spring Semester

- CMSI 402 Senior Project Lab *4 semester hours*
- CMSI 432 Cognitive Systems Design *3 semester hours* or
- Elective *3 semester hours*
- Elective *3 semester hours*
- Elective *3 semester hours*

Total: 13 semester hours

## Dual-Degree

### Dual M.S. in Computer Science/Master of Business Administration

The mission of the Dual Degree MS in Computer Science / MBA program is to educate working professionals in the computer-science and business disciplines that will make them leaders of complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Computer Science. Taking the dual degree program saves the student several courses compared to the two programs taken separately. Students may also obtain either the MS in Computer Science degree or the MBA degree as stand-alone by fulfilling the individual degree requirements.

The dual degree program is designed to be completed in approximately three years. Typically, computer-science classes are completed first, followed by taking the required classes in the MBA program.

### Program Educational Objectives (PEOs), Student Outcomes (SOs), and Learning Outcomes (LOs)

The PEOs and SOs of the MS degree and the LOs of the MBA degree are the same as those of the stand-alone degrees.

### Admission Requirements

Students seeking admission should have completed an undergraduate program in computer science, mathematics, or other closely related field. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in computer science.

Each of the two programs, MBA and MS in Computer Science, will review applications to the dual-degree program, and admission to the dual degree program will be granted only when each individual program recommends admission. Applicants who do not qualify for the dual-degree program must apply separately to the single degree program of interest.

Prospective students need to submit only one application to the LMU Graduate Division. Applicants must submit:

- Application fee
- GMAT or GRE score for admission into the College of Business Administration. The GMAT/GRE waiver policy and school codes are listed in the MBA program website.
- Transcript documenting the Bachelor's degree with a GPA of 3.0 or better, and transcripts from every college or university attended, whether or not a degree was earned
- Resume
- Personal statement discussing how the dual degree program supports the applicant's professional development
- (Optional) Two letters of recommendation
- Two years of full-time work experience is preferred

## Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the program directors of the MS in Computer Science and MBA programs. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of computer-science courses the first year and begin the MBA curriculum in year two. Additional computer-science courses can be completed in year three.

Students need to complete 36 units of MBA courses (i.e., MBA curriculum without emphasis/specialization) and 24 units of computer-science courses (i.e., the MS in Computer Science curriculum without 6 units of elective courses) with a cumulative grade point average of at least B (3.0). Therefore, students need to complete a total of 60 units to graduate. 15 units of computer-science courses will be used to satisfy the emphasis/concentration requirement of the MBA degree. 6 units of MBA courses will be used to satisfy elective requirements of the MS degree. Of the computer-science coursework, 15 units must be completed at the 600-level, and courses at the 500-level must be completed with a grade of B (3.0) or better.

When the course requirements outlined above are completed, the student will be awarded both the MBA degree and the MS degree in Computer Science.

## Masters

### Computer Science, M.S.

The graduate program in Computer Science is designed to provide theoretical knowledge as well as practical applications in the areas of software architecture, artificial intelligence, cybersecurity, and computer networks. In this program, working professionals are given an opportunity to continue their education on a part-time basis, while full-time students have the opportunity to conduct research under the guidance of a faculty advisor. Upon graduation from the program, students will be conferred the degree Master of Science (M.S.) in Computer Science.

Graduate Director: Gustavo Vejarano  
Pereira Hall, Room 143  
310.338.5761

### Program Educational Objectives

The Computer Science graduate program educational objectives are:

1. The development of in-depth expertise for a successful career and/or a successful undertaking of further graduate level studies in computer science and related fields
2. The ability to meet the challenges of the future through continuing professional growth
3. An exhibition of concern for social and environmental impact of computing-related decisions and applications

## Student Outcomes

Upon successful completion of the Computer Science graduate program, students will be able to:

- a. Demonstrate technical skill in advanced computer programming and applications
- b. Demonstrate deep technical computing skills in at least one specialty area within computer science
- c. Apply system design and integration skills to effectively integrate software intensive systems throughout their life cycle
- d. Conduct graduate level research with adequate research skills including information literacy and self-learning
- e. Utilize project management skills to effectively manage complex software development and integration activities
- f. Apply state-of-the-art technologies in computing

## Admission Requirements

Students seeking admission should have completed an undergraduate program in computer science, mathematics, or a closely related field. To be considered for admission, students must submit an application, \$50 application fee, a statement of intent, and transcripts. Letters of recommendation and the Graduate Record Exam (GRE) are optional. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in computer science or mathematics.

The undergraduate preparation of all applicants, regardless of their previous degrees, should include the following subject areas:

- Computer Programming (CMSI 185)
- Data Structures and Algorithms (CMSI 281)
- Computer Systems Organization (CMSI 284)

and at least one of the following:

- Introduction to Microprocessors (ELEC 383)
- Operating Systems (CMSI 387)
- Programming Languages (CMSI 386)

These courses need not be taken at Loyola Marymount University. However, the student should make certain that courses taken elsewhere satisfy the above requirements. Applicants who do not have adequate background in Computer Science might be required to take additional undergraduate courses.

**Transfer Credit:** Students may transfer six (6) semester hours for courses completed at another regionally accredited college or university. Credits to be transferred must be taken prior to admission. Each transferred course grade must be at least B (3.0), and the course must not have been used to satisfy degree requirements at another college or university.

## Graduation Requirements

A degree candidate is required to complete, with a cumulative grade point average of at least B (3.0), a program of study comprising a minimum of thirty (30) or more semester hours of graduate-level coursework (i.e., 500-level or 600-level courses). Additional prerequisite (undergraduate) courses may be required as deemed appropriate by the advisor in consultation with the department. Of the graduate-level coursework, at least fifteen (15) semester hours are to be in 600-level courses. Students must achieve a grade of B (3.0) or better in all 500-level courses. Applicable courses generally include both CMSI and ELEC courses

offered by this department, as well as appropriate courses from mathematics or other disciplines. At least twenty-four (24) semester hours must be in CMSI courses.

The program of study must include the following courses: (1) CMSI 583 Computability and Complexity, (2) CMSI 585 Programming Language Semantics, and (3) CMSI 694 Graduate Capstone Project or two or more Master's Thesis courses (CMSI 695 Master's Thesis I, CMSI 696 Master's Thesis II, CMSI 697 Master's Thesis III). One or more of the 500-level required courses may be waived if the student demonstrates satisfactory completion of a similar course. Waived courses will be replaced by electives at the 500 or 600 level.

## Curriculum

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. The 30 semester hours of required coursework is allocated as follows:

- CMSI 583 Computability and Complexity *3 semester hours*
- CMSI 585 Programming Language Semantics *3 semester hours*
- Elective *3 semester hours*
- One of the following three options:
  - Option 1:
    - Elective *3 semester hours*
    - Elective *3 semester hours*
  - Option 2:
    - CMSI 694 Graduate Capstone Project *3 semester hours*
  - Option 3:
    - Elective *3 semester hours*
    - CMSI 695 Master's Thesis I *3 semester hours*
    - CMSI 696 Master's Thesis II *3 semester hours*
- CMSI 695 Master's Thesis I
- CMSI 696 Master's Thesis II
- CMSI 697 Master's Thesis III

## Master's Thesis Option

Preparation of a Master's Thesis is optional and can fulfill up to a maximum of 9 semester hours of elective course requirements. The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered, and the thesis must conform to the Frank R. Seaver College of Science and Engineering requirements. The thesis and associated work are intended to advance the state of knowledge in the thesis subject not rehash previous work by others or a serve as a "literature search." To the extent possible, there should be some experimental work involved. The thesis ideally will form the basis for a paper or article, produced by a student, which would be submitted and published in a peer-reviewed journal or presented at a professional organization's conference. A thesis is completed after being successfully defended to the thesis committee. With direction from the Program Director, a thesis committee will be formed. The thesis committee consists of the student's thesis advisor, a full-time faculty member from the student's department, and a third member from other than the student's department.

## Requirements for the Combined B.S./M.S. Degrees, major in Computer Science

This combined B.S./M.S. program is designed for LMU students to continue their studies in the Computer Science M.S. program immediately following their B.S. degree. The program allows students to complete the M.S. degree in one year.

Only LMU students in their senior year of Computer Science or Electrical Engineering with emphasis in Computer Engineering with a GPA of 3.0 or greater are eligible to apply. Students can enter this program any term immediately following completion of their undergraduate degree requirements. The candidate for the combined B.S./M.S. degree in Computer Science must satisfy the following requirements:

1. One Frank R. Seaver College of Science and Engineering 500-level course taken as an undergraduate may count toward the M.S. degree. This course can be double-counted for the B.S. degree and the M.S. degree.
2. In addition, for an admitted student, an additional Frank R. Seaver College of Science and Engineering 500-level course may be taken in their senior year that counts towards the M.S. degree and not the B.S. degree. This potentially reduces the total number of additional semester hours after earning the B.S. degree to 24.
3. The student should take two 500- or 600-level courses during summer following the senior year.
4. Complete CMSI 583 Computability and Complexity and two CMSI 500- or 600-level courses during Fall following the senior year.
5. Complete CMSI 585 Programming Language Semantics, CMSI 694 Graduate Capstone Project, and one CMSI 500- or 600-level course during Spring following the senior year.
6. 500-level courses already completed for the B.S. degree cannot be retaken.
7. The student may select the thesis option before the end of second semester of senior year with consent from the academic advisor and graduate program director.

## Minor

### Computer Science Minor

A minor in computer science is also available, with coursework including (1) CMSI 185, CMSI 186, and CMSI 281, (2) CMSI 282 or CMSI 284, and (3) two upper division CMSI electives. Participation in the minor field program requires the approval of the student's major field faculty advisor and the Department Chairperson in the student's major field.

The courses are typically taken in the following sequence:

Year	Semester	Courses
1	Fall	CMSI 185
	Spring	CMSI 186
2	Fall	CMSI 281
	Spring	CMSI 282 or CMSI 284
3	Fall	CMSI 3xx
	Spring	CMSI 3xx

# Civil and Environmental Engineering

## Faculty

Chairperson: Donald Kendall\*

Professors: Rachel G. Adams, Michael E. Manoogian\*, Jeremy S. Pal, Joseph C. Reichenberger\*, William J. Trott\*

Assistant Professors: Sunai Kim\*, Joseph Weber\*

Clinical Professor: Donald Kendall\*

Professor Emeriti: Roger Tim Huag\*, Michael E. Mulvihill\*

Lecturers: Melodie Grubbs, Dennis Kasper\*, Daniel Samaro\*

Graduate Program Director: Jeremy S. Pal

\* Registered Professional Engineer

## Description

The civil engineer applies a wide spectrum of engineering, scientific, and economic principles to plan, design, and oversee a wide variety of private infrastructure projects which improve the quality of life, protect the environment, and facilitate economic growth. These projects include roads and highways, railroads, mass transit systems, airports, bridges, buildings, structures, harbors, flood control and drainage works, water supply, treatment and distribution systems, wastewater treatment and reuse systems, irrigation systems, pipelines, renewable energy systems, and powerplants.

## Program Mission

The mission of the Department of Civil and Environmental Engineering is to provide opportunities for students to develop the skills and knowledge necessary to become productive professionals through a rigorous, student-centered curriculum that balances theory and practice, serving the needs of society by emphasizing sustainability and environmental justice, and to meet the challenges of an ever-changing, complex world through a dynamic engineering program.

## Bachelors

### Civil Engineering, B.S.E.

The civil engineering curriculum emphasizes practicality and design, supported by a strong background in scientific and mathematical concepts. The undergraduate program provides a broad background in all aspects of civil engineering, providing our graduates with the flexibility to practice in any of the specialties or to pursue an advanced degree. The program provides an opportunity to get hands-on experience with classes in surveying as well as laboratories in fluid mechanics, hydraulics, soil mechanics, mechanics of materials, structures, steel, and reinforced concrete design. Engineering design experiences are integrated throughout the curriculum beginning with the freshman engineering courses and extending through the last semester of the senior year. Design courses provide working experience with computer software used in the profession. Group and team

projects prepare the student for real world engineering experiences. A number of electives provides the student with the opportunity to specialize in the following areas of concentration:

- Structures
- Water Resources
- Environmental
- Geotechnical
- Transportation
- Sustainability

## Accreditation

The Civil Engineering undergraduate program is accredited by the Engineering Accreditation Commission of the ABET, <http://www.abet.org>.

## Program Educational Objectives

The Civil Engineering undergraduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Civil Engineering program graduates will:

1. Be productive in the civil engineering profession and/or other professional fields;
2. Uphold the code of ethics of the profession and be cognizant of social equity and sustainability issues;
3. Further develop their professional and/or technical qualifications through activities such as, but not limited to, graduate studies, continuing education, licensing, and/or certifications;
4. Be involved with professional organizations in civil engineering and/or other related fields; and
5. Exhibit leadership in civil engineering and/or other related fields.

To accomplish these program educational objectives, analysis and design courses in the fields of environmental, geotechnical, hydraulic, structural, and water resources engineering are offered in addition to preparatory courses in oral and written communications, mathematics, sciences, and basic mechanics. A broad base of theory and design is provided along with discussion of current issues and practices of the profession. Through class assignments, students will become proficient in the use of computers and pertinent software, spreadsheets, presentations, drawing, and geographical information system (GIS) programs. Integrated with these courses is the University Core curriculum.

## Student Outcomes

Graduates of the LMU Civil Engineering Program will have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety and welfare, as well as global, cultural, social, environmental, and economic concerns
3. An ability to communicate effectively with a range of audiences
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. An ability to function effectively on a team whose members come together to provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies

# Civil Engineering Curriculum

## Transfer Requirements

Students who are currently enrolled in another major at LMU, but are interested in changing their major to CIVL, must complete CHEM 111, CHEM 114 or CHEM 110; ENGR 200; MATH 131, MATH 132; and PHYS 101 with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Chair of the Civil Engineering Department.

## Major Requirements

### **(131 semester hours required)**

The program shown below is the recommended sequence for a major in civil engineering. A customized program is available in consultation with your faculty advisor, although it must meet minimum ABET-related standards. Students may focus in one or more areas of civil engineering by selecting a minimum of three electives in a particular area of concentration. Electives cannot count for any more than one area of concentration. Selected elective courses will be offered during each academic year.

A minimum of 32 semester hours of science and math, and 48 semester hours of engineering topics are required.

### Lower Division Requirements:

- BIOL 114 Biology for Engineers *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CIVL 200 Mechanics of Materials *3 semester hours*
- CIVL 210 Surveying and Mapping *3 semester hours*
- CIVL 230 Particle Dynamics *2 semester hours*
- CIVL 250 Thermal-Fluid Systems *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

### Upper Division Requirements:

- CIVL 302 Seismic Design of Structures *3 semester hours*
- CIVL 305 Structural Theory *3 semester hours*
- CIVL 310 Fluid Mechanics I *3 semester hours*
- CIVL 311 Fluid Mechanics Lab *1 semester hours*
- CIVL 320 Introduction to Environmental Engineering *3 semester hours*

- CIVL 395 Engineering Economics and Decision Theory *3 semester hours*
- CIVL 400 Fundamentals of Water and Wastewater Treatment *3 semester hours*
- CIVL 406 Water Resources Planning and Design *3 semester hours*
- CIVL 410 Soil Mechanics *4 semester hours*
- CIVL 411 Design of Foundations and Earth Structures *3 semester hours*
- CIVL 460 Civil Engineering Design, Practice, and Ethics *4 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours* or equivalent
- BIOL/CHEM/CMSI/ENVS/MATH/PHYS elective *3 semester hours*
- Civil Engineering electives *12 semester hours*

## Civil Engineering Four-Year Plan

### Freshman Year

#### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- BIOL 114 Biology for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

### Sophomore Year

#### Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## Spring Semester

- CIVL 200 Mechanics of Materials *3 semester hours*
- CIVL 210 Surveying and Mapping *3 semester hours*
- CIVL 230 Particle Dynamics *2 semester hours*
- CIVL 250 Thermal-Fluid Systems *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## Junior Year

### Fall Semester

- CIVL 305 Structural Theory *3 semester hours*
- CIVL 310 Fluid Mechanics I *3 semester hours*
- CIVL 311 Fluid Mechanics Lab *1 semester hours*
- CIVL 320 Introduction to Environmental Engineering *3 semester hours*
- BIOL/CHEM/CMSI/ENVS/MATH/PHYS Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

### Spring Semester

- CIVL 302 Seismic Design of Structures *3 semester hours*
- CIVL 395 Engineering Economics and Decision Theory *3 semester hours*
- CIVL 406 Water Resources Planning and Design *3 semester hours*
  
- CIVL 340 Analytical Methods in Civil Engineering I *3 semester hours* or
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- CIVL 400 Fundamentals of Water and Wastewater Treatment *3 semester hours*
- CIVL 410 Soil Mechanics *4 semester hours*
- CIVL Elective *3 semester hours*
- CIVL Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

## Spring Semester

- CIVL 411 Design of Foundations and Earth Structures *3 semester hours*
- CIVL 460 Civil Engineering Design, Practice, and Ethics *4 semester hours*
- CIVL Elective *3 semester hours*
- CIVL/ENVS\* Elective *3 semester hours* (\*ENVS course requires Department Chair approval)
- University Core (if needed to complete Core requirements)

Total: 13 semester hours

Total Semester Hours: 131

## Electives/Areas of Concentration

Students, in consultation with their advisor, may focus in one or more areas of civil engineering by selecting a minimum of three electives in a particular area of concentration.

CIVL 501 Sustainable Water Quality and Resources: Water Resources, Environmental, Sustainability

CIVL 513 Solid Wastes Engineering: Environmental, Geotechnical, Sustainability

CIVL 515 Industrial Waste Management: Environmental, Sustainability

CIVL 517 Water Treatment Processes: General, Water Resources, Environmental, Sustainability

CIVL 518 Water Reuse and Desalination: Water Resources, Environmental, Sustainability

CIVL 519 Advanced Integrated Water Treatment Systems: Water Resources, Environmental, Sustainability

CIVL 526 Surface Water Hydrology: General, Water Resources, Environmental, Geotechnical, Sustainability

CIVL 527 Urban Water Systems and Stormwater Management: General, Water Resources, Environmental, Sustainability

CIVL 528 Groundwater Hydrology and Sustainable Management: General, Water Resources, Environmental, Geotechnical, Sustainability

CIVL 529 Groundwater Contaminant Transport and Remediation: General, Water Resources, Environmental, Geotechnical

CIVL 530 Design of Concrete Structures: Structural, Geotechnical, Transportation

CIVL 531 Principles of Water Quality Management: Environmental

CIVL 532 Structural Steel Design: Structural, Transportation

CIVL 533 Design of Wood Structures: Structural

CIVL 537 Building Information Management: General, Structural

CIVL 538 Construction Management and Sustainability: General, Structural, Sustainability

CIVL 546 Geotechnical Earthquake Engineering: Structural, Environmental, Geotechnical

CIVL 547 Dams and Levees: Structural, Environmental, Geotechnical

CIVL 549 Hazardous Waste Remediation: Environmental, Geotechnical, Sustainability

CIVL 551 Remote Sensing with Civil Engineering and Environmental Science Applications: General, Environmental, Geotechnical, Sustainability

CIVL 553 Modeling Environmental and Water Resources Systems: Environmental, Sustainability

CIVL 571 Air Quality, Control, and Management: Environmental, Sustainability

CIVL 572 Sustainable Waste Management: Environmental, Sustainability

CIVL 573 Economics of Water and the Environment: General, Water Resources, Environmental, Sustainability

CIVL 574 Sustainable Engineering: General, Structural, Water Resources, Environmental, Sustainability

CIVL 577 Transportation Engineering: General, Transportation

CIVL 598--Highway Engineering: General, Structural, Geotechnical, Transportation

ENVS 505 Aquatic Chemistry: Environmental

ENVS 506 Applied Environmental Microbiology: Environmental

ENVS 507 Environmental Engineering and Science Lab: General, Water Resources, Environmental, Sustainability

ENVS 508 Contaminant Fate, Transport, and Remediation: Environmental

ENVS 525 Inland Waters: Water Resources, Environmental, Sustainability

ENVS 580 Engineering Geology: General, Structural, Water Resources, Environmental, Geotechnical, Sustainability

ENVS 581 Ecosystem Services in Urban Landscapes : General, Water Resources, Environmental, Transportation, Sustainability

ENVS 582 Urban Coasts: Habitats, Stressors, and Resilience: General, Structural, Environmental, Geotechnical, Sustainability

ENVS 583 Environmental Toxicology and Health Risk: Environmental, Sustainability

ENVS 584 Climate Change and Impacts: Water Resources, Environmental, Sustainability

ENVS 586 Climate Change Mitigation: Water Resources, Environmental, Sustainability

ENVS 587 Climate Change Adaptation and Resilience: Water Resources, Environmental, Sustainability

ENVS 588 Environmental Health: Water Resources, Environmental, Sustainability

ENVS 589 Sustainability, Health, and Equity: Environmental, Sustainability

## **Certificate**

### **Climate Change Solutions Certificate**

## Description

The Climate Change Solutions certificate will offer students an opportunity to learn the current knowledge on climate change impacts and opportunities for climate adaptation and mitigation and sustainable solutions. At the end of the certificate, the students will have learned:

1. Scientific understanding of Climate Change and impacts on Natural Systems;
2. Climate model projections and carbon accounting tools;
3. Current and future climate change impacts on human and social systems;
4. Vulnerability and Resilience Climate Adaptation and Mitigation; and
5. Regional, National, and International Environmental and Climate Change Policies, Treaties, Convention, and Governance.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 686 Climate Change Mitigation *3 semester hours*
- ENVS 687 Climate Change Adaptation and Resilience *3 semester hours*

## Groundwater Management Certificate

### Description

Students earning a certificate in Groundwater Management will:

1. Understand the principles of groundwater flow and the movement of contaminants in groundwater; be able to understand the principles in locating and designing municipal production wells;
2. Understand the principles of managing groundwater basins and conjunctive use of surface and groundwater, and be knowledgeable in groundwater rights and groundwater basin adjudication; and
3. Apply advanced computer models to groundwater and surface water systems.

### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- CIVL 628 Groundwater Hydrology and Sustainable Management *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 656 Water Resources Systems Modeling *3 semester hours*

## Solutions for Sustainable Development, Health, and Equity Certificate

### Description

Students earning a certificate in Sustainable Development, Health, and Equity will have learned:

1. Scientific understanding of Climate Change and impacts on Natural Systems;
2. Climate model projections and carbon accounting tools;
3. Current knowledge on environmental and climate change impacts on human and social systems and opportunities for adaptation, mitigation, and sustainable solutions;
4. Understanding of environmental health sciences, issues, and solutions. Translation of science to environmental health practice; and
5. Sustainable development policies and governance at the local and global level with a focus on health and equity targets.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 688 Environmental Health *3 semester hours*
- ENVS 689 Sustainability, Health, and Equity *3 semester hours*

## Sustainability Certificate

### Description

Students earning a certificate in Sustainability will:

1. Understand and apply the principles of sustainable engineering and development and the levels of green building practices; and
2. Understand the principles in climate modeling, the factors affecting climate change, and the climate change impacts on California and the Western U.S. water supply.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- CIVL 674 Sustainable Engineering *3 semester hours*  
Two of the following:
- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 684 Climate Change and Impacts *3 semester hours*

## Water and Wastewater Treatment Certificate

### Description

Students earning a certificate in Water and Wastewater Treatment will:

1. Understand the function and be able to design physical and chemical separation processes in water and wastewater treatment; and
2. Understand the principles that control the design and operation of biological unit process municipal wastewater treatment and be able to design processes for organics removal and nitrogen and phosphorus reduction, and biosolids stabilization.

## Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

Three of the following:

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*

## Water Quality Management Certificate

### Description

Students earning a certificate in Water Quality Management will:

1. Be knowledgeable in physical, chemical, and microbiological water quality standards, the impact of discharging organic substances and ammonia into surface and ground waters;
2. Understand lake limnology and the principles of water and wastewater treatment;
3. Be knowledgeable in the carbonate cycle in water and equilibrium chemistry; and
4. Understand the principles of the movement and fate of chemicals and other contaminants in surface and groundwaters.

### Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher.

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 607 Environmental Engineering and Science Lab *3 semester hours* or
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*

## Dual-Degree

### Dual M.S. in Civil Engineering/Master of Business Administration

The mission of the Dual Degree MS in Civil Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Civil Engineering. Students may obtain either an MS in Civil Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Civil Engineering/MBA program is designed to be completed in approximately three years. Typically, the Civil Engineering classes are completed first, followed by taking the required classes in the MBA program.

## Learning Outcomes

### For the Civil Engineering M.S.:

1. Apply scientific, mathematical, and sustainability principles to analyze and develop solutions to problems in environmental science and engineering;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science and engineering; and
3. Effectively communicate scientific and engineering principles related to the environment and sustainability

### For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## Admissions

Both the MBA Program in the College of Business Administration and the Civil Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the dual degree program for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science with a GPA of 3.0 or better
- Two years of full time work experience is preferred
- Resume

- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Civil Engineering and Engineering Management in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Civil engineering courses the first year of the dual-degree program, then begin the MBA curriculum in year two, and select electives and additional Civil Engineering courses in year three.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Civil Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the are taken as part of the MBA coursework and apply to the M.S. in Civil Engineering.

MBA curriculum (no emphasis)	
Note: 5 Civil Engineering Courses count towards the electives in the MBA program	36 semester hours
MS in Civil Engineering	
Eight Courses in Civil engineering, Note: 2 MBA courses count towards electives for the MS in Civil Engineering	24 semester hours
Dual Degree Total:	60 semester hours

Note: The Graduate Program Director for the MS in Civil Engineering has the discretion to substitute other Civil Engineering coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note: When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Civil Engineering.

## Masters

### Civil Engineering, M.S.E.

The Master of Science in Civil Engineering program aims to position working professionals and graduates with science and engineering backgrounds interested in earning an advanced degree to gain a deeper understanding of principles required to solve 21st century environmental problems and sustainably manage our water and infrastructure resources for future generations. In our career-advancing evening master's program, students can specialize in:

- **Environmental Engineering**, with a focus on the most advanced, proven, and sustainable approaches to protect and improve water quality in urban and natural settings through effective management of pollution sources
- **Water Resources Engineering**, centered on the sustainable management, theory, and modeling of hydrological processes in natural systems and water conveyance, storage, and flood protection in urban systems

Students in the program can benefit from:

- **Strong Industry Ties:** Our modern and professionally relevant courses are taught by faculty distinguished in industry and academia.
- **Science to Engineering Pathway:** Students with non-engineering undergraduate degrees can earn a degree in civil engineering by passing the Fundamentals of Engineering Examination and completing the required coursework.
- **Evening Program:** Courses are offered in the evening to accommodate both full-time students and working professionals.

## Program Educational Objectives

The Civil Engineering graduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Graduates in the Civil Engineering (environmental engineering and water resources engineering) program will:

1. Apply critical thinking and problem-solving skills in their professions to work towards solving society's 21st century engineering issues and challenges;
2. Demonstrate and apply ethical, socially equitable, and sustainable practices and principles to issues in their profession; and
3. Advance in their careers by staying current in the field, working on interdisciplinary teams, and/or obtaining professional registration or other professional certifications.

To accomplish these program educational objectives, analysis and design courses in the fields of water resources, hydraulics, environmental engineering and environmental science with an emphasis on sustainability are offered. Additional opportunities are available to broaden the educational experience through courses in other departments, independent study and directed research resulting in a thesis with director consent. A broad base of theory and design is provided integrating current issues and professional practices.

## Program Learning Outcomes

The Civil Engineering graduate program has established the following student outcomes:

1. Apply scientific, mathematical, and sustainability principles to analyze and develop solutions to problems in environmental science and engineering;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science and engineering; and
3. Effectively communicate scientific and engineering principles related to the environment and sustainability.

## Admission Requirements

All applicants must hold a Bachelor of Science or higher-level degree and have successfully completed the following courses:

- Calculus, at least one year of college-level
- General Chemistry, at least one year of college-level
- Life and Physical Science, totaling at least four college-level courses, which could include Biology, Chemistry, Environmental Science, or Physics.

Applicants with a bachelor's or postgraduate degree in a non-Engineering, Life Science, or Physical Science field may be considered if the applicant has completed the above coursework prior to applying. The department may also require applicants

who lack an adequate background in mathematics, chemistry, and/or science to successfully complete additional courses prior to being admitted into the program or continuing in the program.

Applicants holding a non-engineering bachelor's or postgraduate degree may apply and enroll into one of the Civil Engineering program tracks but are not eligible for the Master of Science degree until passing the Fundamentals of Engineering exam and meeting all of the program requirements.

All applicants are required to submit:

- A completed application form and \$50 application fee
- Official Transcripts of all colleges and universities attended
- A letter of intent (approximately 1.5 pages) describing the candidate's background, career goals, and interest in the program
- Two letters of recommendation attesting to the candidate's ability to succeed in the graduate program based on previous academic and/or professional performance

The GRE is not required for admission into the Civil Engineering Master's Program. International applicants should submit the items listed above plus the additional items required by LMU Graduate Admission.

## Program Requirements

Students enrolled in this program must successfully complete the following:

- 30 semester hours with a cumulative grade point average of 3.0 ("B")
- Comprehensive Oral Examination (CIVL 690) or Masters Thesis Defense (CIVL 696 or ENVS 696)
- 500-level courses with grade of B (3.0) or higher
- All core and elective requirements for the Water Resources Engineering or the Environmental Engineering emphasis.

To be awarded a Master of Science in Civil Engineering (either track), all students must either possess a bachelor's degree in engineering OR have passed the Engineer-in-Training/Fundamentals of Engineering (EIT/FE) examination administered by the National Council of Examiners for Engineering and Surveying (NCEES). Students who do not meet this condition will receive a Master of Science degree in Environmental Science.

## Optional Thesis

Preparation of a master's thesis under the guidance of a faculty member is optional in both the Civil Engineering and Environmental Science Master's programs. Students electing to perform a master's thesis must pass CIVL 696 Thesis Defense or ENVS 696 Thesis Defense (0 semester hours) in the semester they expect to complete their thesis. The defense is in the form of a written thesis and an oral presentation. A thesis committee, selected by the student and primary research advisor, determines if the student has mastered the subject matter of the thesis, understands the work done by others, and can critically assess that work and his/her own work. No later than two weeks prior to the thesis defense presentation, the student must provide their written thesis to their thesis committee for review. Students who elect to prepare a master's thesis are not required to take the CIVL 690 Comprehensive Oral Exam. Formal requirements may be obtained from the program director. Please see our research page for further information on research opportunities.

Thesis students also have the option to enroll in a 3-semester-hour master's thesis independent studies (CIVL 695 Master Thesis or ENVS 695 Master Thesis) in any term with director and thesis advisor consent. The master's thesis independent studies can satisfy a Global Perspectives Elective requirement, may be taken a maximum of two times, and may be taken only once in a semester.

## Change of Emphasis (Environmental Engineering or Water Resources Engineering)

Civil Engineering graduate students can choose an emphasis in one of two areas: Environmental Engineering or Water Resources Engineering. Students have the option to switch from the Water Resources Engineering emphasis to the Environmental Engineering emphasis and vice versa or to Environmental Science any time before graduation. Prior to changing emphasis, the student's plan should be discussed with and approved by the Program Director.

## Required courses for each field of study

### M.S. in Civil Engineering with emphasis in Environmental Engineering:

#### Required Core Courses

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 606 Applied Environmental Microbiology *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 625 Applied Fluid Mechanics *3 semester hours* \*

One of the following:

- CIVL 690 Comprehensive Oral Exam *0 semester hours* (Non-thesis students)
- CIVL 696 Thesis Defense *0 semester hours* (Thesis students)
- ENVS 696 Thesis Defense *0 semester hours* (Thesis students)

\* Students who have previously passed an upper division undergraduate- or graduate-level fluid mechanics course may substitute CIVL 625 Applied Fluid Mechanics with a Technical or Global Perspectives elective.

#### Technical Electives

Choose at least three from the following:

- ENVS 607 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*
- CIVL 626 Surface Water Hydrology *3 semester hours*
- CIVL 627 Urban Water Systems and Stormwater Management *3 semester hours*
- CIVL 628 Groundwater Hydrology and Sustainable Management *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 647 Dams and Levees *3 semester hours*
- ENVS 652 Spatial Data Analysis and Geographical Information Systems *3 semester hours*
- CIVL 651 Remote Sensing with Civil Engineering and Environmental Science Applications *3 semester hours*
- CIVL 653 Modeling Environmental and Water Resources Systems *3 semester hours*

#### Global Perspectives Electives

Choose up to two from the following:

- CIVL 671 Air Quality, Control, and Management *3 semester hours*
- CIVL 672 Sustainable Waste Management *3 semester hours*

- CIVL 673 Economics of Water and the Environment *3 semester hours*
- CIVL 674 Sustainable Engineering *3 semester hours*
- ENVS 680 Engineering Geology *3 semester hours*
- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 683 Environmental Toxicology and Health Risk *3 semester hours*
- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 686 Climate Change Mitigation *3 semester hours*
- ENVS 687 Climate Change Adaptation and Resilience *3 semester hours*
- ENVS 688 Environmental Health *3 semester hours*
- ENVS 689 Sustainability, Health, and Equity *3 semester hours*
- Up to one CIVL 599/ENVS 599 Independent Studies with director consent (up to 3 semester hours)
- Up to two CIVL 695 Master Thesis with director consent (3 semester hours each)
- Up to one 500- or 600-level course in another graduate program with director consent

## M.S. in Civil Engineering with emphasis in Water Resources Engineering:

### Required Core Courses

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- CIVL 625 Applied Fluid Mechanics *3 semester hours*
- CIVL 626 Surface Water Hydrology *3 semester hours* \*
- CIVL 627 Urban Water Systems and Stormwater Management *3 semester hours*
- CIVL 628 Groundwater Hydrology and Sustainable Management *3 semester hours*
- CIVL 653 Modeling Environmental and Water Resources Systems *3 semester hours*

One of the following:

- CIVL 690 Comprehensive Oral Exam *0 semester hours* (Non-thesis students)
- CIVL 696 Thesis Defense *0 semester hours* (Thesis students)
- ENVS 696 Thesis Defense *0 semester hours* (Thesis students)

\* Students who have previously passed an upper division undergraduate- or graduate-level fluid mechanics course may substitute CIVL 625 Applied Fluid Mechanics with a Technical or Global Perspectives elective.

### Technical Electives

Choose at least three from the following:

- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 606 Applied Environmental Microbiology *3 semester hours*
- ENVS 607 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 647 Dams and Levees *3 semester hours*
- CIVL 651 Remote Sensing with Civil Engineering and Environmental Science Applications *3 semester hours*

- ENVS 652 Spatial Data Analysis and Geographical Information Systems *3 semester hours*

## Global Perspectives Electives

Choose up to two from the following:

- CIVL 671 Air Quality, Control, and Management *3 semester hours*
- CIVL 672 Sustainable Waste Management *3 semester hours*
- CIVL 673 Economics of Water and the Environment *3 semester hours*
- CIVL 674 Sustainable Engineering *3 semester hours*
- ENVS 680 Engineering Geology *3 semester hours*
- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 683 Environmental Toxicology and Health Risk *3 semester hours*
- ENVS 684 Climate Change and Impacts *3 semester hours*
- ENVS 686 Climate Change Mitigation *3 semester hours*
- ENVS 687 Climate Change Adaptation and Resilience *3 semester hours*
- ENVS 688 Environmental Health *3 semester hours*
- ENVS 689 Sustainability, Health, and Equity *3 semester hours*
- Up to one CIVL 599/ENVS 599 Independent Studies with director consent (up to 3 semester hours)
- Up to two CIVL 695 Master Thesis with director consent (3 semester hours each)
- Up to one 500- or 600-level course in another graduate program with director consent

## Environmental Science, M.S.

The Master of Science in Environmental Science program at Loyola Marymount University is a career-enhancing, evening master's program that exposes students to the most advanced, proven and sustainable approaches to protect, improve and manage environmental quality in urban and natural settings from the local to the global level. Our program provides a collaborative and student-focused environment for working professionals and full-time students to deepen their knowledge in environmental science and engineering required to investigate and solve real-world 21st century environmental problems.

Student in the program can benefit from:

- **Strong Industry Ties:** Our modern and professionally relevant courses are taught by faculty distinguished in industry and academia.
- **Focus on Sustainability:** With our Southern California backdrop, students are exposed to the most advanced, current and sustainable modern solutions to environmental problems.
- **Evening Program:** Courses are offered in the evening to accommodate both full-time students and working professionals.

## Program Educational Objectives

The Environmental Science graduate program has established the following program educational objectives that are consistent with the mission of the University and that describe the expected accomplishments of graduates during the first several years following graduation. Environmental Science program graduates will:

1. Apply critical thinking skills in their profession to identify, evaluate, and develop science-based solutions to 21st century environmental issues and challenges;

2. Demonstrate and apply ethical, socially equitable, and sustainable practices and principles to issues in their profession; and
3. Advance in their careers by staying current in the field, working on interdisciplinary teams, and/or obtaining professional certifications.

To accomplish these program educational objectives, a variety of courses in the fields of environmental science and environmental engineering are offered with an emphasis on sustainability. Additional opportunities are available to broaden the educational experience through courses in other departments, independent study, and directed research resulting in a thesis. A broad base of theory and design is provided integrating current issues and professional practices.

## Program Learning Outcomes

The Environmental Science graduate program has established the following student outcomes:

1. Apply scientific, mathematical, and sustainability principles to identify problems and analyze solutions in environmental science;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science; and
3. Effectively communicate scientific principles related to the environment and sustainability.

## Admission Requirements

All applicants must hold an undergraduate or higher-level degree and have completed the following courses:

- Calculus, at least one semester of college-level
- General Chemistry, at least one college-level course
- Life and Physical Science, totaling at least four college-level courses, which could include Biology, Chemistry, Environmental Science, or Physics.

Applicants with a non-Bachelor of Science undergraduate or postgraduate degree may be considered if the applicant has completed the above coursework prior to applying.

The department may require applicants who lack an adequate background in mathematics, chemistry, and/or science to take additional courses prior to being admitted into the program or continuing in the program. Additional admission requirements may be set by the department upon review of the applicant's academic and professional preparation.

All applicants are required to submit:

- A completed application form and \$50 application fee
- Official Transcripts of all colleges and universities attended
- A letter of intent (approximately 1.5 pages) describing the candidate's background, career goals, and interest in the program
- Two letters of recommendation attesting to the candidate's ability to succeed in the graduate program based on previous academic and/or professional performance

The GRE is not required for admission into the Environmental Science Master's Program. International applicants should submit the items listed above plus the additional items required by LMU Graduate Admission.

## Program Requirements

Students enrolled in this program must successfully complete the following:

- 30 semester hours with a cumulative grade point average of 3.0 ("B")
- Comprehensive Oral Examination (CIVL 690 or ENVS 690) or Masters Thesis Defense (CIVL 696 or ENVS 696)
- Completion of 500-level courses with grade of B (3.0) or higher

- All core and elective requirements for the Environmental Science program or one of the Civil Engineering program emphases (Water Resources Engineering or Environmental Engineering).

## Optional Thesis

Preparation of a master's thesis under the guidance of a faculty member is optional in both the Civil Engineering and Environmental Science Master's programs. Students electing to perform a master's thesis must pass ENVS 696 Thesis Defense or CIVL 696 Thesis Defense (0 semester hours) in the semester they expect to complete their thesis. The defense is in the form of a written thesis and an oral presentation. A thesis committee, selected by the student and primary research advisor, determine if the student has mastered the subject matter of the thesis, understands the work done by others, and can critically assess that work and his/her own work. No later than two weeks prior to the thesis defense presentation, the student must provide their written thesis to their thesis committee for review. Students who elect to prepare a master's thesis are not required to take the ENVS 690/CIVL 690 Comprehensive Oral Exam. Formal requirements may be obtained from the program director. Please see our research page for further information on research opportunities.

Thesis students also have the option to enroll in a 3-semester-hour master's thesis independent studies (ENVS 695 Master Thesis or CIVL 695 Master Thesis) in any term with director and thesis advisor consent. The master's thesis independent studies can satisfy an Elective requirement, may be taken a maximum of two times, and may be taken only once in a semester.

## Change of Program

Students with non-engineering undergraduate or postgraduate degree can change into the Civil Engineering Master's Program (Environmental Engineering or Water Resources Engineering) at any time provided that they 1) meet all Civil Engineering admissions requirements and 2) are in good academic standing (3.0 GPA or higher). Such students are also required to pass the National Council of Examiners for Engineering and Surveying Fundamentals of Engineering exam before their degree is awarded.

## Required Core Courses:

- CIVL 601 Sustainable Water Quality and Resources *3 semester hours*
- ENVS 605 Aquatic Chemistry *3 semester hours*
- ENVS 606 Applied Environmental Microbiology *3 semester hours*

One of the following:

Non-Thesis Students:

- ENVS 690 Comprehensive Oral Exam *0 semester hours* or
- CIVL 690 Comprehensive Oral Exam *0 semester hours*

Thesis Students:

- ENVS 696 Thesis Defense *0 semester hours* or
- CIVL 696 Thesis Defense *0 semester hours*

## Elective Courses:

- ENVS 607 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 608 Contaminant Fate, Transport, and Remediation *3 semester hours*
- ENVS 651 Remote Sensing with Civil Engineering and Environmental Science Applications *3 semester hours*
- ENVS 652 Spatial Data Analysis and Geographical Information Systems *3 semester hours*
- ENVS 680 Engineering Geology *3 semester hours*

- ENVS 681 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 682 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 683 Environmental Toxicology and Health Risk *3 semester hours*
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- ENVS 688 Environmental Health *3 semester hours*
- ENVS 689 Sustainability, Health, and Equity *3 semester hours*
- CIVL 617 Water Treatment Processes *3 semester hours*
- CIVL 618 Water Reuse and Desalination *3 semester hours*
- CIVL 619 Advanced Integrated Water Treatment Systems *3 semester hours*
- CIVL 625 Applied Fluid Mechanics *3 semester hours*
- CIVL 626 Surface Water Hydrology *3 semester hours*
- CIVL 627 Urban Water Systems and Stormwater Management *3 semester hours*
- CIVL 629 Groundwater Contaminant Transport and Remediation *3 semester hours*
- CIVL 653 Modeling Environmental and Water Resources Systems *3 semester hours*
- CIVL 671 Air Quality, Control, and Management *3 semester hours*
- CIVL 672 Sustainable Waste Management *3 semester hours*
- CIVL 673 Economics of Water and the Environment *3 semester hours*
- CIVL 674 Sustainable Engineering *3 semester hours*
- CIVL 690 Comprehensive Oral Exam *0 semester hours*
- Up to two CIVL 695 Master Thesis
- Up to one CIVL 599/ENVS 599 Independent Studies with director consent (up to 3 semester hours)
- Up to one 500- or 600-level course in another graduate program with director consent

## **Electrical and Computer Engineering**

### **Contact Information**

Chairperson: Jie Xu, Doolan Hall 204, 310.338.2392, Jie.Xu@lmu.edu

Graduate Director: Gustavo Vejarano, Pereira Hall 143, 310.338.5761, Gustavo.Vejarano@lmu.edu

Senior Administrative Coordinator: Gina Konrad, Doolan Hall 101, 310.338.5149, Gina.Konrad@lmu.edu

Website: <https://cse.lmu.edu/department/electricalengineering/>

### **Faculty**

Professors: Philip Chmielewski, S.J., Lei Huang, Nazmul Ula

Associate Professors: Barbara Marino, Gustavo Vejarano, Jie Xu

Assistant Professor: Hossein Asghari

### **Mission**

The mission of the Department of Electrical and Computer Engineering is to provide high-quality, practice-oriented, design-focused curricula that prepare students for both leadership roles in industry and advanced studies. The Department provides a supportive, student-centered education that balances theory and practice and meets the challenges of an ever-changing complex world through dynamic programs with interdisciplinary opportunities.

## Description

The Department of Electrical and Computer Engineering offers undergraduate and graduate programs in Electrical Engineering. The Electrical Engineering undergraduate program allows for two curricular emphases, one in Electrical Engineering and one in Computer Engineering. The undergraduate program is described below, using the term Electrical Engineering undergraduate program to refer to both curricular emphases. The graduate program in Electrical Engineering is described following the information about the undergraduate program.

## Bachelors

### Electrical Engineering, B.S.E.

All curricula consist of classroom and laboratory experiences related to the design and analysis of digital and analog circuits and systems. Advanced topics in communications, computer architecture, signal processing, and embedded systems are included. The curricula also allow students to take courses in emerging fields such as image processing, machine learning, and optical communications. A rigorous laboratory sequence emphasizes design and develops strong oral and written communication skills.

## Design Experience

Design is interwoven throughout the Electrical Engineering undergraduate program, culminating in a formal senior design project course. Freshman and sophomore engineering courses provide an introduction to design. The two junior and first-semester senior laboratory courses extend this design experience to the integration of material from the upper-division electrical engineering courses. Finally, the senior design capstone experience builds on the analytical and theoretical background developed throughout the program as well as topics covered in the University's Core curriculum.

## Accreditation

The Electrical Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET (<http://www.abet.org>).

## Program Education Objectives

The Electrical Engineering undergraduate program has established the following program educational objectives that are consistent with the mission of the University and the Frank R. Seaver College of Science and Engineering. The objectives describe the expected accomplishments of graduates during the first several years following graduation. Graduates of the Electrical Engineering program will:

1. Perform effectively as practicing engineers and/or successfully undertake graduate study in electrical engineering or related fields;
2. Meet the challenges of the future through continuing professional growth; and
3. Exhibit concern for service and justice through leadership within their profession, as well as the community as a whole.

These program educational objectives were established in consultation with the constituents of the program and are met by providing curricula which have both breadth and depth. Engineering science and design, mathematics, and basic sciences are significant components of the program. In addition to these traditional technical courses, and in keeping with the Jesuit tradition of educating the whole person, the curricula include core requirements in the humanities, communications, and the fine arts.

Opportunities for involvement in professional societies, student design competitions, and University co-curricular activities are plentiful and help to accomplish these objectives.

## Student Outcomes

The Electrical Engineering undergraduate program has established the following student outcomes. These student outcomes describe the expected knowledge and skills of graduates at the time of graduation.

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## Transfer Requirements

Students interested in transferring into one of the emphases of the Electrical Engineering undergraduate program must complete CHEM 111, CHEM 114, MATH 131, MATH 132, and PHYS 101 (or their equivalents) with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Department Chairperson.

## Graduation Requirements for the Electrical Engineering B.S.E. (Electrical Engineering Emphasis)

Department criteria for graduation include (1) completion of at least **128** semester hours covering all requirements below, with (2) a minimum of **45** semester hours of upper division courses, (3) a grade point average of C (2.0) in the upper division courses (excluding core), and (4) all upper division ELEC courses must be completed in residence.

The Electrical Engineering emphasis requires the following courses to be completed:

- *General Engineering* (9 semester hours): ENGR 100, ENGR 160, ENGR 200
- *Electrical Engineering* (50 semester hours): ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 302, ELEC 353, ELEC 354, ELEC 361, ELEC 371, ELEC 383, ELEC 400, ELEC 401, ELEC 402, ELEC 423, ELEC 424, and two additional ELEC courses
- *Math and Science* (36 semester hours): MATH 131, MATH 132, MATH 234, MATH 245, MATH 250, MATH 355; PHYS 101, PHYS 201; BIOL 114; CHEM 111, CHEM 114
- *Science and Engineering Electives* (3 semester hours): Three semester hours of upper division elective coursework from the Frank R. Seaver College of Science and Engineering
- *University Core* (30+ semester hours): A minimum of 30 semester hours as defined in the core curriculum for students in the Frank R. Seaver College of Science and Engineering.

# Electrical Engineering B.S.E. (Electrical Engineering Emphasis) Curriculum

The typical course of study leading to the B.S.E. degree in Electrical Engineering with the Electrical Engineering emphasis is as follows:

## Freshman Year

### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## Sophomore Year

### Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*

- MATH 250 Linear Algebra *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Junior Year

### Fall Semester

- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 383 Introduction to Microprocessors *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Spring Semester

- ELEC 302 Junior Lab II *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- ELEC 371 Linear Systems *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- ELEC 361 Electromagnetics *3 semester hours*
- ELEC 400 Design Methodology *2 semester hours*
- ELEC 401 Senior Lab I *3 semester hours*
- ELEC 423 Communications I *3 semester hours*
- Electrical Engineering Elective *3 semester hours*

Total: 14 semester hours

### Spring Semester

- ELEC 402 Senior Project *3 semester hours*
- ELEC 424 Communications II *3 semester hours*
- Electrical Engineering Elective *3 semester hours*
- Upper Division Seaver Elective *3 semester hours*

- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Graduation Requirements for the Electrical Engineering B.S.E. (Computer Engineering Emphasis)

Department criteria for graduation include (1) completion of at least 128 semester hours covering all requirements below, with (2) a minimum of 45 hours of upper division courses, (3) a grade point average of a C (2.0) in the upper division major courses (excluding core), and (4) all upper division ELEC courses must be completed in residence.

The Computer Engineering emphasis requires the following courses to be completed:

- General Engineering (6 semester hours): ENGR 100, ENGR 160
- Computer Science (12 semester hours): CMSI 185, CMSI 186, CMSI 281, CMSI 284
- Electrical Engineering (44 semester hours): ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 302, ELEC 353, ELEC 354, ELEC 371, ELEC 383, ELEC 400, ELEC 401, ELEC 402, ELEC 423, ELEC 424, ELEC 584
- Math and Science (33 semester hours): MATH 131, MATH 132, MATH 234, MATH 245, MATH 355; PHYS 101, PHYS 201; BIOL 114; CHEM 111, CHEM 114
- Science and Engineering Electives (3 semester hours): Three semester hours of upper division elective coursework from the Frank R. Seaver College of Science and Engineering
- University Core (30+ semester hours): A minimum of 30 semester hours as defined in the core curriculum for students in the Frank R. Seaver College of Science and Engineering.

## Electrical Engineering B.S.E. (Computer Engineering Emphasis) Curriculum

The typical course of study leading to the B.S.E. degree in Electrical Engineering with the Computer Engineering emphasis is as follows:

### Freshman Year

#### Fall Semester

- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- BIOL 114 Biology for Engineers *3 semester hours*
- MATH 132 Calculus II *4 semester hours*

- PHYS 101 Introduction to Mechanics *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

## Sophomore Year

### Fall Semester

- CMSI 185 Computer Programming *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- CMSI 186 Programming Laboratory *3 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Junior Year

### Fall Semester

- CMSI 281 Data Structures *3 semester hours*
- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 383 Introduction to Microprocessors *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- CMSI 284 Computer Systems Organization *3 semester hours*
- ELEC 302 Junior Lab II *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*

- ELEC 371 Linear Systems 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 15-16 semester hours

## Senior Year

### Fall Semester

- ELEC 400 Design Methodology 2 *semester hours*
- ELEC 401 Senior Lab I 3 *semester hours*
- ELEC 423 Communications I 3 *semester hours*
- ELEC 584 Introduction to Microprocessors II 3 *semester hours*
- University Core 3-4 *semester hours*

Total: 14-15 semester hours

### Spring Semester

- ELEC 402 Senior Project 3 *semester hours*
- ELEC 424 Communications II 3 *semester hours*
- MATH 355 Methods of Applied Mathematics 3 *semester hours*
- University Core 3-4 *semester hours*
- Upper Division Seaver Elective 3 *semester hours*

Total: 15-16 semester hours

## Certificate

### Internet of Things Certificate

This certificate program aims to develop skills in and understanding of the development of new technologies that take advantage of the Internet of Things. Students will first work wireless device connectivity using radio transceivers, sensors, and microcontrollers. Students will then be introduced to internetworking protocols and the cloud, computer programming using these protocols, and wired networks of Raspberry-Pi computers. The last course will consist of the development of a final product in which all programming and hardware skills of previous courses will be applied. Cybersecurity aspects of the Internet of Things will also be covered in the last two courses as well as fog and edge computing.

Upon completion of the certificate program, the student may formally apply and enroll in the Master of Science in Engineering (M.S.E.) in Electrical Engineering program, and all courses completed toward the certificate will be applied towards the M.S.E. degree.

### Program Educational Objectives

The Internet of Things Certificate program has established the following program educational objectives:

1. to provide an opportunity for working professionals to expand and update their knowledge base to facilitate promotion and career advancement
2. to provide a first step into an advanced degree program

## Student Outcomes

The Internet of Things Certificate program has established the following student outcomes. Graduates of the program will be able to:

- a. describe the operation and architecture of wireless sensor networks and their limitations
- b. program and implement wireless sensor networks
- c. explain the architecture of computer networks and the Internet
- d. program and debug communication protocols for computer networks
- e. integrate wireless sensor networks, computer networks, and cloud services from the Internet to deploy IoT solutions
- f. identify cybersecurity threats to IoT solutions

## Admission Requirements

- B.S. degree or higher in any engineering discipline or consent of the Graduate Director
- Basic programming (e.g., Matlab, C, C++, Java, Python)

## Graduation Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher:

- ELEC 572 Computer Networks and Socket Programming *3 semester hours*
- ELEC 680 Wireless Sensor Networks *3 semester hours*
- ELEC 681 Internet of Things *3 semester hours*

## Machine Learning Certificate

This certificate program aims at developing skills and understanding for the development of new technologies that take advantage of Machine Learning. Students will first be introduced to the foundational mathematics of Machine Learning and the programming languages for the implementation of these mathematical concepts. Students will then further advance their understanding and programming skills for supervised machine learning. The last course will cover deep learning and the development of a final product in which all programming skills of previous courses will be applied

Upon completion of the certificate program, the student may formally apply and enroll in the Master of Science in Engineering (M.S.E.) in Electrical Engineering program, and all courses completed toward the certificate will be applied toward the M.S.E. degree.

## Program Educational Objectives

The Machine Learning Certificate program has established the following program educational objectives:

1. to provide an opportunity for working professionals to expand and update their knowledge base to facilitate promotion and career advancement

2. to provide a first step into an advanced degree program

## Student Outcomes

The Machine Learning Certificate program has established the following student outcomes. Graduates of the program will be able to:

- a. explain mathematical concepts of data science related to Machine Learning (ML) and program them using a programming language used in ML applications
- b. implement ML algorithms to solve problems in real-world situations
- c. analyze and evaluate ML algorithms in different real-world situations
- d. implement Deep-Learning (DL) algorithms to solve problems in real-world situations
- e. analyze and evaluate DL algorithms in different real-world situations

## Admission Requirements

- B.S. degree or higher in any engineering discipline or consent of the Graduate Director
- Proficiency in Mathematics through differential and integral calculus
- Basic programming (e.g., Matlab, C, C++, Java, Python)

## Graduation Requirements

To obtain a certificate, students must complete the required courses with a 3.0 grade point average or higher:

- ELEC 533 Data Science for Machine Learning *3 semester hours*
- ELEC 535 Machine Learning *3 semester hours*
- ELEC 634 Deep Learning Applications *3 semester hours*

## Dual-Degree

### **Dual M.S. in Electrical in Electrical Engineering/Master of Business Administration**

The mission of the Dual Degree MSE in Electrical Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of complex technical endeavors within their sponsoring organizations.

The dual degree MSE/MBA program will confer two degrees upon its graduates: an MBA and an MSE in Electrical Engineering. Taking the dual degree program saves the student several courses compared to the two programs taken separately. Students may also obtain either the MSE in Electrical Engineering degree or the MBA degree as stand-alone by fulfilling the individual degree requirements.

The dual degree program is designed to be completed in approximately three years. Typically, electrical-engineering classes are completed first, followed by taking the required classes in the MBA program.

# Program Educational Objectives (PEOs), Student Outcomes (SOs), and Learning Outcomes (LOs)

The PEOs and SOs of the MS degree and the LOs of the MBA degree are the same as those of the stand-alone degrees.

## Admission Requirements

Students seeking admission should have completed an undergraduate program in electrical engineering, computer science, or a closely related field. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in electrical or computer engineering.

Each of the two programs, MBA and MSE in Electrical Engineering, will review applications to the dual-degree program, and admission to the dual degree program will be granted only when each individual program recommends admission. Applicants who do not qualify for the dual-degree program must apply separately to the single degree program of interest.

Prospective students need to submit only one application to the LMU Graduate Division. Applicants must submit:

- Application fee
- GMAT or GRE score for admission into the College of Business Administration. The GMAT/GRE waiver policy and school codes are listed in the MBA program website.
- Transcript documenting the Bachelor's degree with a GPA of 3.0 or better, and transcripts from every college or university attended, whether or not a degree was earned
- Resume
- Personal statement discussing how the dual degree program supports the applicant's professional development
- (Optional) Two letters of recommendation
- Two years of full-time work experience is preferred

## Graduation Requirements

Students enrolled in the Dual Degree MSE/MBA Program are jointly advised by the program directors of the MSE in Electrical Engineering and MBA programs. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of electrical-engineering courses the first year and begin the MBA curriculum in year two. Additional electrical-engineering courses can be completed in year three.

Students need to complete 36 units of MBA courses (i.e., MBA curriculum without emphasis/specialization) and 24 units of electrical-engineering courses (i.e., MSE in Electrical Engineering curriculum without 6 units of elective courses) with a cumulative grade point average of at least B (3.0). Therefore, students need to complete a total of 60 units to graduate. 15 units of electrical-engineering courses will be used to satisfy the emphasis/concentration requirement of the MBA degree. 6 units of MBA courses will be used to satisfy elective requirements of the MSE degree. Of the electrical-engineering coursework, 15 units must be completed at the 600-level, and courses at the 500-level must be completed with a grade of B (3.0) or better.

When the course requirements outlined above are completed, the student will be awarded both the MBA degree and the MSE degree in Electrical Engineering.

## Masters

### Electrical Engineering, M.S.E.

The graduate program in Electrical Engineering is designed to provide theoretical knowledge as well as practical applications in the areas of communication systems, electronic circuits, computer systems engineering, and systems design. In this program, working engineers are given an opportunity to continue their education on a part-time basis, while full-time students have the opportunity to conduct research under the guidance of a faculty advisor. Upon graduation from the program, students will be conferred the degree Master of Science in Engineering (M.S.E.) in Electrical Engineering.

## Program Educational Objectives

The Electrical Engineering graduate program has established the following program educational objectives. Graduates of the program will:

1. Possess in-depth expertise for a successful engineering career and/or a successful undertaking of further graduate level studies;
2. Meet the challenges of the future through continuing professional growth; and
3. Exhibit concern for social and environmental impact of engineering decisions.

## Student Outcomes

The Electrical Engineering graduate program has established the following student outcomes:

- a. an ability to apply advanced knowledge of mathematics, science, and engineering to identify, formulate and solve complex engineering problems in a specialized area, such as electronic circuit design, telecommunications and networks, or digital and computer engineering
- b. an ability to apply both analysis and synthesis in the engineering design process, resulting in designs that meet constraints and specifications, which include societal, environmental, and ethical factors as appropriate to the design
- c. an ability to develop and conduct appropriate experimentation and testing procedures using advanced analytical/numerical techniques and/or modern engineering tools, and to analyze and draw conclusions from data
- d. an ability to conduct graduate level research with adequate research skills including information literacy and self-learning
- e. an ability to communicate effectively with a range of audiences through various media
- f. an ability to plan and manage engineering projects, including goal establishment, task scheduling, and risk and uncertainty management

## Admission Requirements

Students seeking admission should have completed an undergraduate program in electrical engineering, computer science, or a closely related field. To be considered for admission, students must submit an application, \$50 application fee, a statement of intent, and transcripts. Letters of recommendation and the Graduate Record Exam (GRE) are optional. Additional coursework may be recommended or required as a condition of admission for applicants that have not completed an undergraduate program in electrical or computer engineering.

**Transfer Credit.** Students may transfer six (6) semester hours for courses completed at another regionally accredited college or university. Credits to be transferred must be taken prior to admission. Each transferred course grade must be at least B (3.0), and the course must not have been used to satisfy degree requirements at another college or university.

## Graduation Requirements

A degree candidate is required to complete, with a cumulative grade point average of at least B (3.0), a program of study comprising a minimum of thirty (30) or more semester hours of graduate-level coursework (i.e., 500-level or 600-level courses). Additional prerequisite (undergraduate) courses may be required as deemed appropriate by the advisor in consultation with the department. Of the graduate-level coursework, at least fifteen (15) semester hours are to be in 600-level courses. Students must

achieve a grade of B (3.0) or better in all 500-level courses. Applicable courses generally include both CMSI and ELEC courses offered by this department, as well as appropriate courses from mathematics or other disciplines. At least twenty-four (24) semester hours must be in ELEC courses.

The program of study must include the following courses: ELEC 521, ELEC 532, ELEC 584, and ELEC 694 or Master's Thesis. One or more of the 500-level required courses may be waived if the student demonstrates satisfactory completion of a similar course. Waived courses will be replaced by electives at the 500 or 600 level.

## Curriculum

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. The 30 semester hours of required coursework is allocated as follows:

- ELEC 521 Introduction to Communication Systems *3 semester hours*
- ELEC 532 Probability and Random Processes *3 semester hours*
- ELEC 584 Introduction to Microprocessors II *3 semester hours*
- Elective *3 semester hours*
- One of the following three options:
  - Option 1:
    - Elective *3 semester hours*
    - Elective *3 semester hours*
  - ELEC 694 Graduate Capstone Project
    - Option 2:
      - Elective *3 semester hours*
    - ELEC 695 Master's Thesis I
    - ELEC 696 Master's Thesis II
  - Option 3:
    - ELEC 695 Master's Thesis I
    - ELEC 696 Master's Thesis II
    - ELEC 697 Master's Thesis III

## Master's Thesis Option

Preparation of a Master's Thesis is optional and can fulfill up to a maximum of 9 semester hours of elective course requirements. The student electing the thesis option must obtain a thesis advisor before Departmental consent will be considered, and the thesis must conform to the Frank R. Seaver College of Science and Engineering requirements. The thesis and associated work is intended to advance the state of knowledge in the thesis subject not "rehash" previous work by others or a serve as a "literature search." To the extent possible, there should be some experimental work involved. The thesis ideally will form the basis for a paper or article, produced by a student, which would be submitted and hopefully published in a peer-reviewed journal or presented at a professional organization's conference. A thesis is completed after being successfully defended to the thesis committee. With direction from the Graduate Director, a thesis committee will be formed. The thesis committee consists of the student's thesis advisor, a full-time faculty member from the student's department, and a third member from other than the student's department.

## Combined B.S./M.S.E. Degrees in Electrical Engineering

This program is designed for LMU students to receive a combined B.S. and M.S.E. degree by continuing their studies in LMU's Master's programs, immediately following their B.S. degree. The program allows students to complete the M.S.E. degree in one year.

Only LMU students in senior year Electrical Engineering (either emphasis) with a GPA of 3.0 or higher are eligible to apply. The deadline for application is one month prior to completing all undergraduate requirements. Students can enter this program any term immediately following completion of their undergraduate degree requirements. The candidate for the combined B.S./M.S.E. degree must satisfy the following requirements:

- One Frank R. Seaver College of Science and Engineering 500-level course taken as an undergraduate may count toward the M.S.E. degree. This course can be double-counted for the B.S. degree and the M.S.E. degree. The student is required to complete 27 additional semester hours after earning the B.S. degree.
- In addition, for an admitted student, an extra Frank R. Seaver College of Science and Engineering 500-level course may be taken in their senior year that counts towards the M.S.E. degree and not the B.S. degree. This potentially reduces the total number of additional semester hours after earning the B.S. degree to 24.
- The student should take two 500- or 600-level courses during summer following senior year.
- Complete ELEC 532 Probability and Random Processes and two ELEC 600-level courses during fall following senior year.
- Complete ELEC 521 Introduction to Communication Systems, ELEC 584 Introduction to Microprocessors II, and ELEC 694 Graduate Capstone Project during spring following senior year. If ELEC 584 Introduction to Microprocessors II was completed in the undergraduate program, the student should then register in an ELEC 500- or 600-level course instead.
- 500-level courses already completed for the B.S. degree cannot be retaken.
- The student may select the thesis option with consent from the academic advisor and Graduate Director.

## Minor

### Electrical Engineering Minor

A minor field program in Electrical Engineering consists of 18 semester hours of coursework to be determined in consultation with the Department Chairperson. Participation in the minor field program requires the approval of the student's major field faculty advisor and the Department Chairperson in the student's major field.

The typical set of courses includes ELEC 210, ELEC 213, ELEC 220, ELEC 281, ELEC 301, ELEC 353, and either ELEC 383 (for a digital emphasis) or one of ELEC 354 or ELEC 371 (for an analog emphasis). As many of the courses have prerequisites, the following suggested schedule is provided:

Year	Semester	Courses
1	Fall	MATH 131
	Spring	MATH 132
2	Fall	ELEC 210 ELEC 213 MATH 245

Year	Semester	Courses
	Spring	ELEC 220 ELEC 281
3	Fall	ELEC 301 ELEC 353
	Spring	ELEC 354* ELEC 371*
4	Fall	ELEC 383*
<i>*Take only one of the starred courses.</i>		

## Environmental Science

### Director

Rachel G. Adams

### Faculty Affiliates

Rachel G. Adams, Nicole C. Bouvier-Brown, Lambert A. Doezema, Tom Ford, Karina Johnston, James M. Landry, Michelle R. Lum, Jeremy S. Pal, Martina Ramirez, Eric Strauss, Demian Willette

### Emeritus Faculty

John H. Dorsey

### Bachelors

## Environmental Science, B.S.

### Objectives

The objective of the Environmental Science major is to prepare students for a career in the field of environmental sciences. Students receiving this degree can either pursue graduate studies or enter the field of environmental science where jobs are available, for example, with private businesses, governmental agencies, and environmental non-profits and advocacy groups.

The Environmental Science major is a rigorous interdisciplinary program involving course work in biology, chemistry, physics, mathematics, and environmental science and engineering. The learning outcomes for this degree program are:

1. Students will be able to apply the scientific method to formulate and test hypotheses.
2. Students will be able to assess and evaluate effectively global environmental processes embedded in a social and ethical context.
3. Students will have proficiency in the following: Earth systems science, micro- and macroevolution, ecosystem services, and anthropogenic impacts on ecosystems.
4. Students will have proficiency in the fundamental concepts of the physical and life sciences.
5. Students will have basic field, laboratory, and analytic skills in a quantitative capacity.
6. Students will effectively communicate through written assignments and oral presentations.
7. Students will demonstrate critical thinking skills needed for assessing and solving problems relating to environmental issues and policies.

Laboratory courses are designed to maximize hands-on experience in collecting samples from various media, and using an array of equipment to characterize samples of soils, water, and air. Many of the environmental science courses include field trips to the adjacent Ballona Wetlands and Santa Monica Bay to demonstrate methods for collecting samples, and to study environmental conditions and resident biota. Internships with local environmental organizations and companies are an integral component of the program. The major requires that the student conduct a research project followed by presentation of results upon completion.

## Major Requirements

### Lower Division Requirements:

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- BIOL 201 Cell Function *3 semester hours*
- BIOL 202 Genetics *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*
- ENVS 210 Surveying and Mapping *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- MATH 123 Calculus for the Life Sciences II *3 semester hours*
- MATH 204 Applied Statistics *3 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- PHYS 254 General Physics II *4 semester hours*

## Note:

In order to be eligible to take an upper division science course, a student must have a C (2.0) average in the lower division science courses.

## Upper Division Requirements:

33 upper division science hours which will include:

- ENVS 318 Principles of Ecology *3 semester hours*
- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- ENVS 359 Environmental Chemistry Lab *1 semester hours*
- ENVS 361 General Microbiology *3 semester hours*
- ENVS 362 General Microbiology Laboratory *1 semester hours*
- ENVS 491 Environmental Science Capstone I *2 semester hours*
- ENVS 492 Environmental Science Capstone II *2 semester hours*
- ENVS 493 Environmental Science Internship *1 TO 3 semester hours* (enroll in 2 semester hours)

One (1) applied Ecology elective (*3 semester hours*) selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*
- or by consent of director

In addition, 10 upper division science elective hours are required, to be selected from:

- ENVS 310 Oceanography *3 semester hours*
- ENVS 356 Sustainable Practices *3 semester hours*
- ENVS 505 Aquatic Chemistry *3 semester hours*
- ENVS 507 Environmental Engineering and Science Lab *3 semester hours*
- ENVS 508 Contaminant Fate, Transport, and Remediation *3 semester hours*
- ENVS 513 Solid Waste Engineering *3 semester hours*
- ENVS 525 Inland Waters *3 semester hours*
- ENVS 580 Engineering Geology *3 semester hours*
- ENVS 581 Ecosystem Services in Urban Landscapes *3 semester hours*
- ENVS 582 Urban Coasts: Habitats, Stressors, and Resilience *3 semester hours*
- ENVS 584 Climate Change and Impacts *3 semester hours*
- BIOL 311 Plant Interactions *3 semester hours*
- BIOL 333 Biology of Mammals *4 semester hours*
- BIOL 334 Invertebrate Zoology *4 semester hours*
- BIOL 335 Comparative Anatomy *4 semester hours*
- BIOL 474 Principles of Evolution *3 semester hours*
- BIOL 477 Conservation Genetics *4 semester hours*
- CHEM 354 Air Pollution: Atmospheric Chemistry *3 semester hours*

- CHEM 356 Sustainable Practices *3 semester hours*
- CHEM 460 Instrumental Analysis and Lab *4 semester hours*
- CHEM 482 Toxicology *3 semester hours*
- CHEM 560 Introduction to Modern Spectroscopy *3 semester hours*
- CIVL 501 Sustainable Water Quality and Resources *3 semester hours*
- CIVL 553 Modeling Environmental and Water Resources Systems *3 semester hours*
- HHSC 322 Public Health *3 semester hours*
- or by consent of director.

#### Note:

A student must have a C (2.0) average in upper division science courses.

## B.S. Degree in Environmental Science

*(125 S.H.)*

### Freshman Year

#### Fall Semester

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 15-16 semester hours

#### Spring Semester

- BIOL 102 General Biology II *3 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 15-16 semester hours

### Sophomore Year

#### Fall Semester

- BIOL 201 Cell Function *3 semester hours*
- CHEM 220 Organic Chemistry I *3 semester hours*
- CHEM 221 Organic Chemistry I Lab *1 semester hours*
- EVST 1000 Introduction to Environmental Studies *4 semester hours*
- MATH 123 Calculus for the Life Sciences II *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- BIOL 202 Genetics *3 semester hours*
- ENVS 210 Surveying and Mapping *3 semester hours*
- ENVS 250 Earth Science *3 semester hours*
- MATH 204 Applied Statistics *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Junior Year

#### Fall Semester

- ENVS 318 Principles of Ecology *3 semester hours*
- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 493 Environmental Science Internship *1 TO 3 semester hours* (enroll in 2 semester hours)
- PHYS 253 General Physics I *4 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

#### Spring Semester

- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*
- ENVS 359 Environmental Chemistry Lab *1 semester hours*
- Upper Division Applied Ecology Elective *3 semester hours\**
- PHYS 254 General Physics II *4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 14-15 semester hours

### Senior Year

#### Fall Semester

- ENVS 361 General Microbiology *3 semester hours* OR BIOL 460 Environmental Microbiology *3 semester hours*
- ENVS 362 General Microbiology Laboratory *1 semester hours*
- ENVS 491 Environmental Science Capstone I *2 semester hours*
- Upper Division Science Elective *3 semester hours\*\**
- Upper Division Science Elective *3 semester hours\*\**
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Spring Semester

- ENVS 492 Environmental Science Capstone II *2 semester hours*
- Upper Division Science Elective *4 semester hours\*\**
- Upper Division Elective *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-14 semester hours

Total: 119-128 semester hours

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Exam.

## Notes:

\* Applied Ecology elective is selected from: BIOL 312, BIOL 314, BIOL 315, BIOL 316, BIOL 321, BIOL 322, BIOL 422, or by consent of director.

\*\* Upper Division science electives are selected from: ENVS 310, ENVS 356, ENVS 505, ENVS 507, ENVS 508, ENVS 513, ENVS 525, ENVS 581, ENVS 584, CIVL 501, CIVL 553, BIOL 311, BIOL 333, BIOL 334, BIOL 335, BIOL 474, BIOL 477, CHEM 354, CHEM 356, CHEM 460, CHEM 482, CHEM 560, HHSC 322, or by consent of director.

\*\*\* Dean's list requires a minimum of 15 semester hours.

## Dual-Degree

### Dual M.S. in Environmental Science/Master of Business Administration

The mission of the Dual Degree MS in Environmental Science/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Environmental Science. Students may obtain either an MS in Environmental Science or an MBA degree as a stand-alone by fulfilling the individual

degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Environmental Science/MBA program is designed to be completed in approximately three years. Typically, the Environmental Science classes are completed first, followed by taking the required classes in the MBA program.

## Learning Outcomes

### For the Environmental Science M.S.:

1. Apply scientific, mathematical, and sustainability principles to analyze and develop solutions to problems in environmental science and engineering;
2. Critically assess, evaluate, and understand sustainability, ethics, and social justice in environmental science and engineering; and
3. Effectively communicate scientific and engineering principles related to the environment and sustainability.

### For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## Admissions

Both the MBA Program in the College of Business Administration and the Environmental Science Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the dual degree program for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science with a GPA of 3.0 or better

- Two years of full-time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Environmental Science and Engineering Management in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Environmental Science courses the first year of the dual-degree program, then begin the MBA curriculum in year two, and select electives and additional Environmental Science courses in year three.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Environmental Science courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the are taken as part of the MBA coursework and apply to the M.S. in Environmental Science

MBA curriculum (no emphasis) Note: 5 Environmental Science Courses count towards the electives in the MBA program	36 semester hours
MS in Environmental Science Eight Courses in Environmental Science, Note: 2 MBA courses count towards electives for the MS in Environmental Science	24 semester hours
Dual Degree Total:	60 semester hours

Note: The Graduate Program Director for the MS in Environmental Science has the discretion to substitute other Environmental Science coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note: When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Environmental Science.

## Minor

### Environmental Science Minor

#### Minor Requirements

(28 semester hours)

## 21 Semester Hours:

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 112 General Biology II Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- ENVS 101 Introduction to Environmental Science *3 semester hours*

## One (1) Environmental Chemistry course (3 semester hours) selected from:

- ENVS 357 Environmental Chemistry: Atmosphere and Climate *3 semester hours*
- ENVS 358 Environmental Chemistry: Water, Soil, and Sediment *3 semester hours*

## One (1) Ecology elective (3 semester hours) selected from:

- BIOL 312 Field Botany *4 semester hours*
- BIOL 314 Tropical Ecology *4 semester hours*
- BIOL 315 World Vegetation Ecology *3 semester hours*
- BIOL 316 Island Biology *3 semester hours*
- BIOL 318 Principles of Ecology *4 semester hours*
- BIOL 321 Urban Ecology *3 semester hours*
- BIOL 422 Marine Biology *4 semester hours*

## One Upper Division Laboratory course (1 semester hour) selected from:

- BIOL 322 Urban Ecology Lab *1 semester hours*
- ENVS 359 Environmental Chemistry Lab *1 semester hours*
- May be selected by lab component within  
BIOL 312  
BIOL 314  
BIOL 318 or  
BIOL 422
- or by consent of director

## Note:

Any substitution must be made with the consent of the Director of the Environmental Science program.

A grade of C (2.0) must be obtained in each course included in the minor.

# Health and Human Sciences

## Faculty

Chairperson: Sarah L. Strand

Professor: Hawley C. Almstedt

Associate Professor: Todd C. Shoepe, Sarah L. Strand, Heather P. Tarleton

Assistant Professors: Christopher Cappelli, William P. McCormack, Jenevieve L. Roper

## Degree

The Department offers a Bachelor of Science in Health and Human Sciences.

## Mission Statement

Within the context of LMU's mission, the Department of HHSC strives to cultivate educated students in the subjects of HHSC with quality classroom preparation for graduate schools and professional careers as well as relevant clinical, practical and evidence-based experience in health related fields. Such fields include, but are not limited to: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training. The Department prepares students in a positive environment that encourages the development of the whole person.

## Vision Statement

The vision of the Department of HHSC is to develop quality graduates in the area of health science and its related professions. Excellence in development of the health science student is based on academics, research, service, professional and practical experiences.

## Bachelors

## Health and Human Sciences, B.S.

### Student Learning Outcomes

1. Students will demonstrate basic understanding and appreciation of the human body's relationship to health and wellness through science, theory and application.
2. Students will demonstrate effective communication skills necessary to explain to others effectively and accurately about human health and wellness in a variety of organizational and institutional settings.
3. Students will demonstrate critical-thinking skills and the ability to access and critically evaluate relevant health information and resources.

4. Students will demonstrate the interpersonal skills required to work cooperatively with diverse individuals and groups on issues related to the human condition.
5. Students will demonstrate basic understanding and appreciation of cultural, philosophical and professional considerations related to health and wellness.
6. Students will demonstrate a world view that integrates spiritual and ethical values with their vocational calling.
7. Students will have clear career goals and demonstrate practical preparation for their career.

## Current LMU Students Interested in Transferring to the Department of Health and Human Sciences

Students who are currently enrolled in another major at LMU, but are interested in changing their major to HHSC are encouraged to apply during their first year at LMU. Students are asked to state their interest in HHSC by completing an application available from the department chairperson. In addition, students will need to complete MATH 122 and CHEM 110 with a minimum grade of C (2.0) in each class and have a minimum cumulative GPA of 3.0. Attainment of minimum requirements may not always be sufficient to secure approval of transfer request. The evaluation process will take place during the Fall and Spring semesters with students being informed once the evaluation process has been completed.

## Bachelor of Science (B.S.) in Health and Human Sciences

The Health and Human Sciences major offers specialized programs to provide prerequisite training for graduate programs or careers in such fields as: physical therapy, occupational therapy, physician assistant, nursing, public health, exercise science, and entry-level graduate programs in athletic training.

## Major Requirements

In order to graduate, a student must have a C (2.0) average in the lower division science courses and a C (2.0) average in the upper division science courses.

### Lower Division Requirements:

- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- BIOL 216 Medical Microbiology *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- MATH 204 Applied Statistics *3 semester hours*
- HHSC 155 Human Anatomy and Physiology I *3 semester hours*
- HHSC 156 Human Anatomy and Physiology I Lab *1 semester hours*
- HHSC 190 Medical Terminology and Seminar *3 semester hours*
- HHSC 230 Nutrition *3 semester hours*
- HHSC 255 Human Anatomy and Physiology II *3 semester hours*
- HHSC 256 Human Anatomy and Physiology II Lab *1 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- PHYS 254 General Physics II *4 semester hours*
- PSYC 1000 General Psychology *4 semester hours*

## Upper Division Requirements:

A total of 31 of upper division semester hours are required: 27 semester hours of upper division HHSC and 4 semester hours of PSYC must be completed. Within the 27 semester hours of HHSC, students need to complete:

- A minimum of one 3-semester-hour course from each of the four categories listed below (Clinical; Health Management and Policy; Health and Wellness; Exercise Science)
- 3 laboratory courses (a combination of Upper and Lower Extremities counts as a lab course equivalent)
- 1 semester hour of HHSC 495 Allied Health Internship and 2 semester hours of HHSC 497 Allied Health Internship II. A maximum of 6 semester hours of independent study coursework may count in the upper division major category. This includes any HHSC course between the numbers of 490 and 499, except 498.

One course outside of HHSC may be used to complete the 27 semester hours of upper division HHSC with approval of the Department Chair.

Students are required to take PSYC 3038 or PSYC 3052. A student must have a C (2.0) average in upper division science courses.

## Clinical Courses

- HHSC 350 Exercise for Special Populations *3 semester hours*
- HHSC 360 Upper Extremity Evaluation *3 semester hours*
- HHSC 361 Lower Extremity Evaluation *3 semester hours*
- HHSC 460 Therapeutic Modalities in Sports Medicine *3 semester hours*
- HHSC 461 Therapeutic Rehabilitation in Sports Medicine *3 semester hours*

## Health Management and Policy Courses

- HHSC 312 Healthcare Administration *3 semester hours*
- HHSC 322 Public Health *3 semester hours*
- HHSC 412 Administration in Sports Medicine *3 semester hours*
- HHSC 413 Medical Bioethics *3 semester hours*
- HHSC 420 Chronic Disease and Injury Epidemiology *3 semester hours*

## Health and Wellness Courses

- HHSC 320 Obesity and Behavior *3 semester hours*
- HHSC 342 Peer Health Education *3 semester hours*
- HHSC 404 Drugs, Addiction, and Health *3 semester hours*
- HHSC 430 Advanced Nutrition *3 semester hours*

## Exercise Science Courses

- HHSC 375 Science Principles of Strength and Conditioning *3 semester hours*
- HHSC 380 Kinesiology *3 semester hours*
- HHSC 475 Exercise Physiology *3 semester hours*
- HHSC 480 Biomechanics *3 semester hours*

## B.S. Degree in Health and Human Sciences

(122 S.H.)

### Freshman Year

#### Fall Semester

- HHSC 190 Medical Terminology and Seminar *3 semester hours*
- BIOL 101 General Biology I *3 semester hours*
- BIOL 111 General Biology I Lab *2 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 15-16 semester hours

#### Spring Semester

- HHSC 155 Human Anatomy and Physiology I *3 semester hours*
- HHSC 156 Human Anatomy and Physiology I Lab *1 semester hours*
- HHSC 230 Nutrition *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 113 General Chemistry II Lab *1 semester hours*
- MATH 122 Calculus for the Life Sciences I *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

### Sophomore Year

#### Fall Semester

- HHSC 255 Human Anatomy and Physiology II *3 semester hours*
- HHSC 256 Human Anatomy and Physiology II Lab *1 semester hours*
- BIOL 216 Medical Microbiology *3 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours\*

#### Spring Semester

- MATH 204 Applied Statistics *3 semester hours*
- PHYS 254 General Physics II *4 semester hours*

- PSYC 1000 General Psychology *4 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours\*

## Junior Year

### Fall Semester

- HHSC 300 level with Lab *4 semester hours*
- HHSC 300 level *3 semester hours*
- HHSC 495 Allied Health Internship *1 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours\*

### Spring Semester

- HHSC 300 level with Lab *4 semester hours*
- HHSC 300 level *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours\*

## Senior Year

### Fall Semester

- HHSC 497 Allied Health Internship II *1 TO 5 semester hours (enroll for 2 semester hours)*
- HHSC 400 level with Lab *4 semester hours*
- PSYC 3038 Abnormal Psychology *4 semester hours* or
- PSYC 3052 Lifespan Development *4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 16-18 semester hours

### Spring Semester

- HHSC 400 level *3 semester hours*
- HHSC 400 level *3 semester hours*
- University Core *3-4 semester hours*

- University Core 3-4 semester hours
- Upper Division Elective 3-4 semester hours

Total: 15-18 semester hours

## Note:

\* Dean's List requires a minimum of 14 semester hours.

Total minimum 122 semester hours

\*\* A core course may be required to satisfy the 32-semester-hour science major core requirement.

The proper sequence of the University Core courses should be discussed with the student's advisor. The course sequence in Mathematics depends on the results of the Mathematics Placement Examination.

# Healthcare Systems Engineering

## Faculty

**Professor:** Bohdan W. Oppenheim

**Adjunct Professors:** Kevin Baldwin, MPH, PMP, CPHIMS; Joseph M. Duhig, MBA; F. Ronald Feinstein, M.D., F.A.C.S.; Howard Fullman, M.D., FACP, FACG, FAGA; Elham Ghashghai, Ph.D.; Ali X. Ghobadi, M.D.; Michael H. Kanter, M.D., CPPS; Hugh McManus, Ph.D.; Hassan Movahedi, MD, Ph.D.; John Poladian

**Advisors:** Jamie Gearon, VA GLA; Michael H. Kanter, M.D., CPPS, KP School of Medicine; Gail Lindsay, Providence St. Joseph Health; Mitesh B. Rao, MD, MHS, Stanford Health; Ilan Shapiro Stygler, M.D., AltaMed; Drew Weil, UCLA Health; Jeffrey Weisz, M.D., ret. Executive Medical Director and Chairman of the Board for Kaiser Permanente

## Contact Information

**Graduate Director:** Bohdan W. Oppenheim

**Office Location:** Pereira 204

**Telephone:** 310.338.2825

**E-mail:** boppenheim@lmu.edu

## Certificate

### Lean Healthcare Systems Certificate

The three-course graduate certificate in Lean Healthcare Systems is a convenient advanced program for healthcare professionals (providers, nurses and administrators in hospitals, emergency departments, operating rooms, clinics, clinical laboratories, radiology laboratories, pharmacies and supply chain) desiring to acquire powerful and practical knowledge of streamlining operations, eliminating waste and increasing value to patients, providers and the enterprise using Lean management. The Certificate delivers modern and comprehensive practical education. No prior knowledge of Lean is required. The program is managed by the faculty of the Healthcare Systems Engineering program. The students who complete the Certificate program with the GPA of "B" or higher can apply for re-admission into the Master's degree program in Healthcare Systems Engineering and have all certificate courses credited towards the Master's program.

## Admission Requirements

- Application to Graduate Admission and a \$50 application fee. To apply on-line, visit <http://graduate.lmu.edu>.
- B.S. or B.A. from an accredited university program
- Undergraduate transcript
- Two years' work experience in healthcare environment
- Two letters of recommendation from employers (one current) or former professors.
- Promising applicants who do not satisfy these requirements may be considered for conditional admission and, when so admitted, must demonstrate satisfactory performance during their first year in the program.

## Graduation Requirements

Completion of the following three courses (9 semester hours):

- HSEG 535 Lean Healthcare *3 semester hours*
- HSEG 635 Advanced Lean Management of Healthcare *3 semester hours*
- HSEG 696 Project in Healthcare *3 semester hours*

The overall minimum GPA required for award of the Certificate is 2.7; the minimum grade in the 535 course is B, and the minimum grade in the 600-level courses is C.

## Schedule

The Certificate can be completed in 10 months, as follows. The online HSEG 535 Lean Healthcare course is offered in Summer Session II. HSEG 635 Advanced Lean Management of Healthcare is offered in class in the Fall semester (one evening per week). The Project course, HSEG 696 Project in Healthcare, is offered in the Spring semester. The student completes the Project mostly on his/her own time, or at work, with only a few meetings with the advisor.

Registering into the courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University.

## Dual-Degree

## Dual M.S. in Healthcare Systems Engineering/Master of Business Administration

The mission of the Dual Degree MS in Healthcare Systems Engineering/MBA program is to educate professionals in the healthcare systems engineering and business disciplines that will make them leaders of highly complex healthcare endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Healthcare Systems Engineering. Students may obtain either an MS in Healthcare Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Healthcare Systems Engineering/MBA program is designed to be completed in approximately three years. Typically, the Healthcare Systems Engineering classes are completed first, followed by taking the required classes in the MBA program.

The Dual Degree MS in Healthcare Systems Engineering/MBA program will confer two degrees upon its graduates: an MBA and an MS in Healthcare Systems Engineering. Students may obtain either an MS in Healthcare Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

## Learning Outcomes

### For the Healthcare Systems Engineering M.S.:

1. Apply the fundamental principles of Healthcare Systems Engineering to complex healthcare problems
2. Become leaders of innovative healthcare projects and businesses
3. Develop multidisciplinary skills to architect, design & manage complex healthcare systems throughout their life cycle
4. Apply principles of systems engineering, systems thinking, project management and lean engineering to improve operational efficiency, reduce fragmentation, improve patient safety and reduce provider burnout, and apply state of the art knowledge to healthcare.
5. Develop technical skills to analyze, and design integrated healthcare systems

### For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## Admissions

Both the MBA Program in the College of Business Administration and the Healthcare Systems Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the dual degree program for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program (or equivalent) with a GPA of 3.0 or better
- Two years of full-time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Healthcare Systems Engineering in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Healthcare Systems Engineering courses and complete the MS the first year of the dual-degree program, then begin the MBA curriculum in year two.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Healthcare Systems Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the are taken as part of the MBA coursework and apply to the M.S. in Healthcare Systems Engineering.

MBA curriculum (no emphasis)	
Note: 5 Healthcare Systems Engineering Courses count Towards the electives in the MBA program	36 semester hours
MS in Healthcare Systems Engineering	
Eight Courses in Healthcare Systems Engineering, Note: 2 MBA courses count toward elective For the MS in Healthcare Systems Engineering	24 semester hours
Dual Degree Total:	60 semester hours

Note: The Graduate Program Director for the MS in Healthcare Systems Engineering has the discretion to substitute other Healthcare Systems Engineering coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

Note: When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Healthcare Systems Engineering.

## Masters

### Healthcare Systems Engineering, M.S.

The Healthcare Systems Engineering (HSE) Master's Program offers the two following modalities:

1. **4+1 HSE program** for LMU undergraduate science students who earn their BS degree at LMU and wish to earn the MS degree one year later
2. **A regular HSE MS program**

### Objectives and Outcomes of Healthcare Systems Engineering Master's Program

1. To serve the healthcare industry with innovative comprehensive education in systems-based healthcare operations management, enabling graduates for successful professions throughout healthcare. Potential applications include: clinical and operational management within hospitals, clinics, radiology and clinical laboratories, pharmacies, emergency departments, operating rooms, healthcare enterprise IT systems; as well as industry initiatives such as lifecycle patient wellness and population health, telemedicine, health delivery systems, and medical device systems. Educational Outcome: All students will appreciate and understand these applications.
2. To integrate academic training with industry application, through effective partnerships with national recognized faculty from LMU, Kaiser Permanente, UCLA Health, and other healthcare organizations, who deliver exciting and important curriculum, as well as student projects, internships, and industry connections. Educational Outcome: All students will perform a Capstone Project with relevant and practical industrial application.
3. To equip graduates with industry-leading knowledge in health systems engineering, systems-enhanced lean management, and project management, providing management skills that enables graduates to effectively lead systems-based change initiatives within the healthcare setting. Educational Outcome: All students will perform a Capstone Project demonstrating systems engineering and project management process and skills. Two advanced Lean courses will test students' ability to apply Lean methods.
4. To assure continued program excellence and industry relevance with nationally recognized experts serving on the HSE Board of Advisors. Educational Outcome: All students will have an opportunity to interact with national experts in their classes, in guest lectures and seminars and in industrial visits.
5. To serve our students, graduates, and the industry with opportunities to enhance ethical healthcare using resources of the renown LMU Bioethics Institute. Educational Outcome: Students will be exposed to the Bioethics Institute operations and relevance in healthcare operations via a guest lecture.

### 4+1 HSE Program for LMU Undergraduate Science Students

#### Admission Requirements

- Senior standing in Fall semester; apply by November 1 in the Senior year. Admissions decided during the month of November. Enter the program in the Senior Spring Semester.
- Application to Graduate Admission and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Undergraduate GPA of at least 3.0 recommended. Lower GPA will be considered on a case-by-case basis.
- Essay demonstrating passion for a healthcare career

- Two letters of recommendation

## Graduation Requirements

One course (HSEG 515 Healthcare Delivery Systems) to be taken in the Senior year as an undergraduate elective (included in the undergraduate tuition), plus 9 HSE courses.

## Core Courses

- HSEG 505 Systems Engineering for Healthcare *3 semester hours*
- SYEG 510 Project Management *3 semester hours*
- HSEG 515 Healthcare Delivery Systems *3 semester hours* (taken as an undergraduate elective in the Senior year included in the undergraduate tuition)
- HSEG 535 Lean Healthcare *3 semester hours*
- HSEG 625 Patient Safety and Quality Systems *3 semester hours*
- HSEG 635 Advanced Lean Management of Healthcare *3 semester hours*
- HSEG 665 Population Health and Big Data Analytics *3 semester hours*
- HSEG 675 Healthcare Enterprise Informatics and Electronic Health Records *3 semester hours*
- HSEG 695 Preparation for Capstone Project *0 semester hours*
- HSEG 696 Project in Healthcare *3 semester hours*

## Elective Course

One course to be selected from the following electives:

- HSEG 545 Healthcare Seminar *3 semester hours* \*
- HSEG 655 Medical Devices and Integrated Systems *3 semester hours* \*
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours* \*
- HSEG 699 Independent Studies *1 TO 3 semester hours* \*

## Notes:

\* In any given year, between two and four of these elective courses will be offered depending on the number of students and their interests.

The Capstone Project HSEG 696 Project in Healthcare should be taken in the last Spring or Fall semester of the studies.

HSEG 699 Independent Studies must be pre-approved by the Advisor.

## Schedule

- Take the first course HSEG 515 Healthcare Delivery Systems in Senior Spring semester as an Elective, under the undergraduate tuition
- Graduate normally with the BS degree in May of the Senior year
- As a graduate student, follow with the HSEG 535 Lean Healthcare course in Summer Session II
- Follow with four courses in the Fall semester and four in the Spring semester
- Graduate with MS degree in May
- The students who fail to follow this schedule default to the regular HSE MS program.

For more information, contact Dr. Bo Oppenheim, [boppenheim@lmu.edu](mailto:boppenheim@lmu.edu), 310.338.2825.

## HSE Program for Regular Students

### Admission Requirements

- Application to Graduate Admission and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Bachelor's degree in science and engineering from a U.S. accredited university. Candidate with degrees from U.S. accredited universities in other fields (e.g., psychology, pre-med, business) who have completed upper division science, mathematics and statistics courses will be evaluated individually.
- Minimum cumulative GPA of 3.0 recommended. Lower GPA will be considered on a case-by-case basis.
- Essay demonstrating passion for a healthcare
- 2 letters of recommendation

### Graduation Requirements

The requirement for the MS in HSE is 30 semester hours (10 courses at three semester hours each).

### Core Courses

- HSEG 505 Systems Engineering for Healthcare *3 semester hours*
- SYEG 510 Project Management *3 semester hours*
- HSEG 535 Lean Healthcare *3 semester hours*
- HSEG 625 Patient Safety and Quality Systems *3 semester hours*
- HSEG 635 Advanced Lean Management of Healthcare *3 semester hours*
- HSEG 665 Population Health and Big Data Analytics *3 semester hours*
- HSEG 675 Healthcare Enterprise Informatics and Electronic Health Records *3 semester hours*
- HSEG 695 Preparation for Capstone Project *0 semester hours*
- HSEG 696 Project in Healthcare *3 semester hours*

### Elective Courses

Two (2) courses to be selected from the following electives:

- HSEG 515 Healthcare Delivery Systems *3 semester hours* (mandatory, if the student lacks healthcare background)
- HSEG 545 Healthcare Seminar *3 semester hours*
- HSEG 655 Medical Devices and Integrated Systems *3 semester hours* \*
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours*
- HSEG 699 Independent Studies *1 TO 3 semester hours*

#### Note:

- \* In any given year, between two and four of these elective courses will be offered depending on the number of students and their interests.

#### Notes:

Students lacking healthcare work experience will need to include HSEG 515 Healthcare Delivery Systems as one elective.

The Capstone Project, HSEG 696 Project in Healthcare, should be taken in the last Spring or Fall semester of the studies.

HSEG 699 Independent Studies must be pre-approved by the Advisor.

## Schedule

- Application deadline for regular students: year round.
- Students can be admitted either for the Summer Term II or Spring Semester (note: no Fall semester admissions). Students with work experience in healthcare will enter the program in the Summer Term II with the course HSEG 535 Lean Healthcare. Students without experience in healthcare will enter the program in the Spring semester with HSEG 515 Healthcare Delivery Systems, and follow with the HSEG 535 Lean Healthcare in Summer Session II.
- The remaining courses can be accomplished at the student's own pace. Two courses per each Fall and Spring semester is considered a full load. HSE students are free to take between one and four courses per semester.

The students with healthcare work experience may complete the HSE MS program in one year by following this aggressive schedule:

- Enter the program in the Summer Term II with the course HSEG 535 Lean Healthcare.
- Follow with four courses in the Fall and four in the Spring semesters.
- End with an Elective course in the Summer Term I.

## Online and Face-to-Face Courses

Starting in Fall 2020, all HSE courses will be available online. The following courses will be delivered only online: HSEG 535, HSEG 625, HSEG 655, HSEG 665, HSEG 675. All remaining courses can be taken in classroom, face-to-face with the instructor, as well as online. The online access instructions will be emailed to all registered students before the semester start. All students should own a laptop computer with a camera and microphone, and access to fast internet.

## Mathematics

### Faculty

Chairperson: Patrick D. Shanahan

Professors: Anna Bargagliotti, Michael Berg, Alissa S. Crans, Ben G. Fitzpatrick (Clarence J. Wallen, S.J., Chair), Lily S. Khadjavi, Suzanne Larson, Blake Mellor, Edward C. Mosteig, Patrick D. Shanahan

Associate Professors: Christina Eubanks-Turner, Thomas Laurent, Yanping Ma, Robert James Rovetti

Assistant Professors: Joshua Hallam, Junyuan Lin

Senior Instructor: Natalie Rivetti-Ortiz

Instructors: Karen Ellis, Mobashera Hallam, Vivian Lezak, Roberto Martinez

## Mathematics Graduate Program

## Contact Information

**Graduate Director:** Christina Eubanks-Turner

**Office Location:** University Hall 2712

**Telephone:** 310.338.5107

**Fax:** 310.338.3768

**E-mail:** Christina.Eubanks-Turner@lmu.edu

## Mission Statement

The Master of Arts in Teaching Mathematics program provides an opportunity for secondary school teachers to broaden their background in mathematical science and to connect this knowledge with current education practice.

## Admission Requirements

Students seeking admission to the Master of Arts in Teaching Mathematics program should have completed an undergraduate program in mathematics or a closely related field. The applicant must have been a mathematics major, mathematics minor, or had equivalent coursework. To be considered for admission, students must submit a Graduate Division application, a statement of intent, transcripts from all colleges/universities attended and the application fee. A letter of recommendation addressing the student's mathematical background and teaching experience, if any, is also required.

## Program Requirements

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. A degree candidate is required to complete, with an average grade of at least 3.0 ("B"), a program of study that may include prerequisite undergraduate-level coursework, and that must include thirty or more semester hours of graduate-level coursework, as deemed appropriate by the adviser in consultation with the department. Of the graduate level coursework, at least fifteen semester hours are to be in Mathematics and fifteen in Education.

## Mathematics Undergraduate Program

### Mathematics Placement Examination

The purpose of this examination is to determine the level of preparation of the student and to place her/him in the appropriate mathematics course. Any student with three years of high school mathematics including two years of algebra and one year of geometry should be adequately prepared to take this examination. However, students may wish to review these areas.

All first-year students with majors in the Frank R. Seaver College of Science and Engineering or the College of Business Administration, or who are Economics majors or Liberal Studies majors, must take the mathematics placement examination.

All students transferring into the Frank R. Seaver College of Science and Engineering or the College of Business Administration, or who are Economics majors or Liberal Studies majors, must take the mathematics placement examination unless they have

transferred a college algebra, precalculus, or higher level college mathematics class approved by the Mathematics Department before entering LMU.

Any student, no matter her/his major, who plans to take MATH 106, MATH 112, MATH 120, MATH 122, or MATH 131 and who has not transferred a college algebra or higher level college mathematics class is required first to take the mathematics placement examination. The mathematics placement examination may only be taken one time.

## **Biomathematics**

Under the direction of an advisor, the student selects courses from the fields of biology, chemistry, computer science, and mathematics and obtains a Bachelor of Science degree through the Individualized Studies Program.

Any deviation from the above programs requires formal approval of the student's advisor and the Department Chairperson.

## **Secondary Teacher Preparation Program in Mathematics**

For information on this program, see the Secondary Education Mathematics Minor section in this Bulletin.

## **Bachelors**

### **Applied Mathematics, B.S.**

This degree program is designed for students who want an interdisciplinary program that combines the study of applied and computational mathematics with a scientific area of specialization. This program can be tailored to meet the needs of students who expect to pursue a graduate degree in applied mathematics or science, expect to double-major or minor in a scientific field, or intend to work in a mathematics-related interdisciplinary field in industry.

### **Objectives**

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

## Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;Students will be able to:
  - i. State and use basic definitions and theorems.
  - ii. Solve basic problems.
  - iii. Decide on useful approaches to more complicated problems.
  - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

## General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

## Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

## One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*

- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- CMSI 186 Programming Laboratory *3 semester hours*
- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

## Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

## Upper Division Requirements (10 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 495 Mathematical Modeling *3 semester hours* or
- MATH 497 Senior Thesis *3 semester hours*
- Nine additional semester hours in upper division MATH electives chosen in consultation with his/her faculty advisor
- Two upper division courses in a scientific area of specialization chosen in consultation with her/his faculty advisor and approved by the Chairperson of the Mathematics Department.

## Note:

Some areas of specialization require additional sophomore-level classes before upper division coursework can begin; the faculty advisor will discuss these details with the student.

## Bachelor of Science in Applied Mathematics Curriculum

### Freshman Year

#### Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours* or
- Science Requirement *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- Science Requirement *3-4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Sophomore Year

### Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
  
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 13-15 semester hours

### Note:

Dean's list requires a minimum of 14 semester hours.

### Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

## Spring Semester

- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

## Junior Year

### Fall Semester

- MATH 321 Real Variables I *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours* \*
- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours*\*\*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Spring Semester

- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours* \*
- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours*\*\*
- Elective *3-4 semester hours* or
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- MATH 495 Mathematical Modeling *3 semester hours*
- MATH 3xx Mathematics Elective *3 semester hours* or
- Upper Division Science Requirement *3 semester hours*\*\*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- MATH 3xx Mathematics Elective 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- MATH 3xx Mathematics Elective 3 semester hours or
- Upper Division Science Requirement 3 semester hours\*\*
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

Total: 124/126 semester hours

\* *MATH 357 and MATH 360 are both required but can be taken in any order.*

\*\* *Two upper division courses are required in a scientific area of specialization chosen with faculty advisor and approved by the Chairperson of the Mathematics Department.*

## Mathematics, B.A.

This major is designed for students who are interested in pursuing a career in teaching mathematics at the secondary (i.e., high school) level. With the help of her/his advisor, the student may design a schedule carefully so that s/he can complete the 2042 California Preliminary Single Subject (Secondary) Teaching Credential during her/his four years at LMU. For more details on the additional requirements for a Teaching Credential, and a sample four-year curriculum which includes both the requirement for the Bachelor of Arts in Mathematics and the Teaching Credential, see the Center for Undergraduate Teacher Preparation section in this Bulletin.

## Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

## Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:

- a. calculus and analysis,
- b. abstract and linear algebra,
- c. probability, combinatorics and statistics,
- d. elementary numerical methods;

Students will be able to:

- i. State and use basic definitions and theorems.
  - ii. Solve basic problems.
  - iii. Decide on useful approaches to more complicated problems.
  - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
  3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
  4. Independent Learners. Students will be able to independently investigate a mathematical topic.
  5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

## General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

## Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

## One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- CMSI 186 Programming Laboratory *3 semester hours*

- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

## Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

## Upper Division Requirements (11 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 490 History of Mathematics *3 semester hours*
- MATH 493 Senior Seminar for Future Mathematics Educators *3 semester hours* or
- MATH 497 Senior Thesis *3 semester hours*
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*
- One additional 3 semester hour upper division MATH elective chosen in consultation with her/his advisor;

## Bachelor of Arts in Mathematics Curriculum

*(124/126 S.H.)*

### Freshman Year

#### Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours* or
- Science Requirement *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- MATH 132 Calculus II *4 semester hours*

- MATH 191 Workshop in Mathematics II *2 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Sophomore Year

### Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

Note:

Dean's list requires a minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

### Spring Semester

- EDxx 4xx Education Requirement *3 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*
- MATH 293 Mathematics Teaching Field Experience *0 semester hours* \*\*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

## Junior Year

### Fall Semester

- EDxx 4xx Education Requirement (or 2nd Science Requirement) *3 OR 4 semester hours*
- MATH 321 Real Variables I *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

## Spring Semester

- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 3xx Mathematics Elective *3 semester hours*
- MATH 490 History of Mathematics *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- MATH 357 Complex Variables *3 semester hours*
- MATH 493 Senior Seminar for Future Mathematics Educators *3 semester hours* or
- MATH 497 Senior Thesis *3 semester hours*
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*
- Elective *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- Elective *3-4 semester hours*
- Elective *3-4 semester hours* \*\*\*
- Elective *3-4 semester hours* \*\*\*
- Elective *3-4 semester hours* \*\*\*

Total: 12-16 semester hours

Total: 124/126 semester hours

\*\* *This course is required for the student who wishes to get a secondary teaching credential.*

\*\*\* *For the student who is working on the teaching credential, these semester hours can be used for secondary directed teaching (EDCE 412).*

# Mathematics, B.S.

This degree program is designed for students who want a broad foundation in mathematics. By choosing appropriate mathematics electives in consultation with her/his faculty advisor, the student can emphasize in pure mathematics, applied and computational mathematics, or a combination of both. The degree can be tailored to meet the needs of students who expect to pursue a graduate degree in pure mathematics, expect to pursue a graduate degree in applied mathematics, or intend to work in a mathematics-related field in industry.

## Objectives

Mathematics, as an intellectual activity, is both an art and a powerful tool for problem solving and for understanding the physical universe. A mathematics major explores the different facets of the discipline through a broad spectrum of courses in applied, computational, and pure mathematics. In addition to exploring mathematics, a student majoring in mathematics takes classes from other fields (e.g., science and education) that help her/him prepare for her/his chosen career. The Department's programs allow a student to focus on different aspects of the discipline and lead to one of three undergraduate degrees:

- Bachelor of Arts with a major in Mathematics
- Bachelor of Science with a major in Mathematics
- Bachelor of Science with a major in Applied Mathematics

The Department offers minors in Pure Mathematics, Applied Mathematics, and Secondary Education Mathematics. These minors are designed for students majoring in another field (e.g., engineering, physics, business, economics, computer science, or liberal studies) who wish to develop an undergraduate background in mathematics that goes beyond the requirements of their degree program.

In addition to its major and minor degree programs, the Mathematics Department serves every department in LMU's four Colleges, the School of Film and Television, and the School of Education through the core curriculum and by providing students in other majors courses designed to serve the mathematical needs of their fields of study.

## Learning Outcomes

1. Content Proficiency. In each of the following subject areas of mathematics:
  - a. calculus and analysis,
  - b. abstract and linear algebra,
  - c. probability, combinatorics and statistics,
  - d. elementary numerical methods;Students will be able to:
  - i. State and use basic definitions and theorems.
  - ii. Solve basic problems.
  - iii. Decide on useful approaches to more complicated problems.
  - iv. Explain the central concepts of the subject.
2. Communication. Students will be able to communicate mathematics both orally and in writing. They will do so according to accepted standards in mathematics.
3. Tools. Students will employ a variety of tools such as the library, Internet, computers, and calculators to solve problems and do undergraduate research.
4. Independent Learners. Students will be able to independently investigate a mathematical topic.
5. Career and Professional Preparation. LMU mathematics graduates will be prepared to engage in mathematics-related professions or in a graduate school academic environment. This preparation will include significant pre-professional experiences.

## General Major Requirements

Students must complete the corresponding Bachelor of Arts or Bachelor of Science University Core requirements as defined by the Frank R. Seaver College of Science and Engineering; students will choose the proper sequence of University Core courses in consultation with their advisor.

Mathematics majors and minors are not permitted to enroll in a mathematics course without a minimum grade of C (2.0) in that course's prerequisite. A minimum grade of C (2.0) is required in each course in the lower division major requirements. A minimum cumulative grade point average of C (2.0) is required in the upper division major requirements for graduation.

## Lower Division Major Requirements

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*

## One science course chosen from

- BIOL 101 General Biology I *3 semester hours*
- BIOL 102 General Biology II *3 semester hours*
- CHEM 110 General Chemistry I *3 semester hours*
- CHEM 112 General Chemistry II *3 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- CMSI 185 Computer Programming *3 semester hours*
- CMSI 186 Programming Laboratory *3 semester hours*
- CMSI 281 Data Structures *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

## Note:

The Bachelor of Science in Mathematics and the Bachelor of Science in Applied Mathematics degrees require an additional science course chosen from the courses listed above; a second CMSI or PHYS course may also be counted towards the Bachelor of Arts degree in Mathematics (please see upper division requirements below).

## Upper Division Requirements (10 courses):

- MATH 321 Real Variables I *3 semester hours*
- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*

## One of:

- MATH 491 Senior Mathematics Seminar *3 semester hours*
- MATH 493 Senior Seminar for Future Mathematics Educators *3 semester hours*
- MATH 495 Mathematical Modeling *3 semester hours*
- MATH 497 Senior Thesis *3 semester hours*

Fifteen additional semester hours in upper division MATH electives chosen in consultation with her/his advisor.

## Bachelor of Science in Mathematics Curriculum

*(124/126 S.H.)*

### Freshman Year

#### Fall Semester

- MATH 131 Calculus I *4 semester hours*
- MATH 190 Workshop in Mathematics I *2 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- Science Requirement *3-4 semester hours* or
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

#### Spring Semester

- MATH 132 Calculus II *4 semester hours*
- MATH 191 Workshop in Mathematics II *2 semester hours*
- Science Requirement *3-4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-18 semester hours

### Sophomore Year

#### Fall Semester

- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- Science Requirement *3-4 semester hours* or

- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

Note:

Dean's list requires minimum of 14 semester hours.

Note:

Upon successful completion of MATH 248, the student must make an appointment with her/his advisor to discuss which of the three major programs the student wishes to pursue. The student should then contact the Chairperson of the Mathematics Department to have an upper division advisor appropriate to that major assigned.

## Spring Semester

- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- MATH 282 Elementary Computational Methods *3 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Junior Year

### Fall Semester

- MATH 321 Real Variables I *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours* \*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours* or
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- MATH 331 Elements of Group Theory *3 semester hours*

- MATH 357 Complex Variables 3 semester hours \*
- MATH 3xx Mathematics Elective 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- MATH 3xx Mathematics Elective 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours
- MATH 3xx Mathematics Elective 3 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-17 semester hours

### Spring Semester

- MATH 3xx Mathematics Elective 3 semester hours
- MATH 49x Seminar 3 semester hours\*\* or
- MATH 497 Senior Thesis 3 semester hours \*\*
- Elective 3-4 semester hours
- Elective 3-4 semester hours
- Elective 3-4 semester hours

Total: 15-18 semester hours

Total: 124/126 semester hours

\* MATH 357 and MATH 360 are both required but can be taken in any order.

\*\* Either MATH 491, MATH 493, MATH 495, or MATH 497 is required (one course only) for the Bachelor of Science in Mathematics.

## Masters

## Mathematics for Teaching, M.A.T.

This program provides an opportunity for secondary school teachers to broaden their background in mathematical science and connect this knowledge to current education practice.

## Learning Outcomes

Students graduating from this program will have a deeper and richer understanding of mathematics. In particular, they will

1. Appreciate the aesthetics of mathematics
2. Have knowledge of how advanced mathematics is reflected in teaching high school mathematics
3. Be proficient at proof and problem solving, particularly as related to teaching high school mathematics
4. Be better prepared to assume a leadership role in the mathematics community at their schools.

## Admission Requirements

Students seeking admission to the Master of Arts in Teaching Mathematics program should have completed an undergraduate program in mathematics or a closely related field. The applicant must have completed a minimum of six upper division courses in Mathematics with a 3.0 ("B") average.

To be considered for admission, students must submit a Graduate Division application, the application fee, a statement of intent, and transcripts from all colleges/universities attended. A cumulative GPA of 3.0 as an undergraduate or a 3.0 GPA in at least 9 units of graduate level coursework is required. A letter of recommendation addressing the student's mathematical background and teaching experience, if any, is also required.

## Program Requirements

During the first semester of attendance, the student should prepare a program of study with a faculty advisor. A degree candidate is required to complete, with an average grade of at least 3.0 ("B"), a program of study that may include prerequisite undergraduate-level coursework, and that must include thirty or more semester hours of graduate-level coursework, as deemed appropriate by the advisor in consultation with the department. Of the graduate level coursework, at least fifteen semester hours are to be in Mathematics and fifteen in Education.

## Minor

### Applied Mathematics Minor

#### Minor in Applied Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
  
- MATH 250 Linear Algebra *3 semester hours* or

- One additional 3-semester-hour upper division MATH course chosen in consultation with the applied mathematics minor advisor.

Choose one:

- MATH 355 Methods of Applied Mathematics *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*

Choose one:

- MATH 321 Real Variables I *3 semester hours* (MATH 248 is a prerequisite for MATH 321, so the MATH 321 option requires 27 semester hours)
- MATH 357 Complex Variables *3 semester hours*
- MATH 560 Advanced Topics in Probability and/or Statistics *3 semester hours*
- MATH 562 Numerical Analysis *3 semester hours*

Note:

A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

## Pure Mathematics Minor

### Minor in Pure Mathematics Requirements

At least 24 semester hours including:

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours* or
- One additional 3-semester-hour upper division MATH course chosen in consultation with the pure mathematics minor advisor

Choose one:

- MATH 331 Elements of Group Theory *3 semester hours*
- MATH 350 Advanced Linear Algebra *3 semester hours*
- MATH 366 Discrete Methods *3 semester hours*

Choose one:

- MATH 321 Real Variables I *3 semester hours*

- MATH 357 Complex Variables *3 semester hours*
- MATH 471 Topology *3 semester hours*
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*

**Note:**

A minimum cumulative grade point average of C (2.0) is required in the courses included in the minor.

## **Secondary Education Mathematics Minor**

### **Minor in Secondary Education Mathematics Requirements**

At least 24 semester hours including:

- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 248 Introduction to Methods of Proof *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*
- MATH 490 History of Mathematics *3 semester hours*
- MATH 550 Fundamental Concepts of Geometry *3 semester hours*

**Note:**

A cumulative grade point average of C (2.0) or better is required in the courses included in the minor.

## **Mechanical Engineering**

### **Faculty**

Chairperson: James Landry

Graduate Program Director: Rafiqul Noorani

Professors: Omar Es-Said, Rafiqul Noorani, Matthew Siniawski

Associate Professor: Emin Issakhanian

Assistant Professors: Mahsa Ebrahim, Natalie Schaal, Brendan Smith

Senior Lecturer: Christopher Cobb

Lecturers: Vladan Jankovic, Brian Lottman, James Nokes, Dhruv Patel, Hooman Rahimi-Zadeh

### **Description**

Mechanical Engineering is pertinent to a variety of engineering activities and products, such as transportation vehicles, energy generation, machine mechanisms, manufacturing systems, structures, and processing plants. The Mechanical Engineering programs provide a solid foundation for work in all of these fields. The flexible and modern curricula cover contemporary technology as well as the fundamentals for future technologies and are designed to prepare students for employment in industry and advanced studies. Modern, well-equipped research laboratories support the curricula. These laboratory facilities include computer-aided design and engineering, manufacturing, materials science and processing, rapid prototyping, rehabilitation engineering and assistive technologies, solid mechanics, and thermal and fluid systems.

## **Mission**

The mission of the Mechanical Engineering Department is to provide a high quality, practice-oriented, design-focused curriculum that prepares students for both leadership roles in industry and advanced graduate studies.

## **Bachelors**

### **Mechanical Engineering, B.S.E.**

The Bachelor of Science program in Mechanical Engineering is designed to prepare the student for immediate entry into the mechanical engineering profession or graduate study toward advanced degrees. Engineering design is a major emphasis of the curriculum, and students work on various aspects of design projects throughout, culminating in a comprehensive capstone design project.

## **Accreditation**

The Mechanical Engineering undergraduate program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

## **Program Educational Objectives**

The mechanical engineering undergraduate program has established the following program educational objectives that are consistent with the University's mission and the department's program outcomes. During the first 3-5 years after graduation, mechanical engineering students will:

1. Demonstrate competency and leadership in professional engineering activities such as industry-based work, research and development, and experimental studies;
2. Advance in their professional careers and pursue continuous learning in areas relevant to their long-term goals;
3. Be contributing productively to cross-functional teams, communicating effectively, and demonstrating professional and ethical responsibility.

These program educational objectives are accomplished through the major requirements, the core curriculum, design competition experiences, internships, research opportunities, professional society involvement, and extracurricular activities.

## **Student Outcomes**

The mechanical engineering undergraduate program has established the following student outcomes that support the program educational objectives. Attainment of these outcomes prepares graduates to enter the professional practice of engineering.

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies

## General Requirements

All Mechanical Engineering students must earn a minimum cumulative grade point average of C (2.0) in the following lower-division courses: ENGR 160, ENGR 200, PHYS 101, MATH 131, MATH 132, MATH 234, MATH 245, MECH 212, MECH 213, as these contain foundational and fundamental material necessary to succeed in upper-division mechanical engineering courses.

## Transfer Requirements

Students who are currently enrolled in another major at LMU, but are interested in changing their major to MECH must complete CHEM 111, CHEM 114; ENGR 200; MATH 131, MATH 132; and PHYS 101 with a minimum grade of C (2.0) in each course before being considered. Final approval of the transfer request resides with the Chair of the Mechanical Engineering Department.

## Major Requirements

### Lower Division Requirements:

- BIOL 114 Biology for Engineers *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MECH 211 Computer Aided Design *2 semester hours*
- MECH 212 Mechanics of Materials *3 semester hours*
- MECH 213 Dynamics *3 semester hours*
- MECH 214 Materials Science *3 semester hours*
- MECH 223 Thermodynamics *3 semester hours*

- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*

## Upper Division Requirements:

- CIVL 395 Engineering Economics and Decision Theory *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- MECH 302 Thermal Science and Energy Lab *2 semester hours*
- MECH 303 Solid Mechanics and Materials Laboratory *2 semester hours*
- MECH 310 Machine Design *3 semester hours*
- MECH 312 Vibrations *3 semester hours*
- MECH 321 Energy Systems *3 semester hours*
- MECH 322 Fluid Mechanics *3 semester hours*
- MECH 323 Heat Transfer *3 semester hours*
- MECH 401 Design Capstone Project I *3 semester hours*
- MECH 402 Design Capstone Project II *3 semester hours*
- MECH 410 Design and Manufacturing Laboratory *2 semester hours*
- MECH 412 Control Systems *3 semester hours*
- Four 500-level MECH elective courses *12 semester hours*

## University Core Requirements for Mechanical Engineering Majors

Mechanical Engineering majors are required to complete a minimum of 30 semester hours as defined in the "Core Curriculum for Students in the Frank R. Seaver College of Science and Engineering." The proper sequence of the University Core courses should be discussed with the student's advisor. There are a few important notes specific to Mechanical Engineering majors:

CIVL 395 Engineering Economics and Decision Theory fulfills the Understanding Human Behavior core area of the Explorations requirement and is applied toward the 30-semester hour minimum. Note that no additional courses from the Explorations Core requirement are required and that taking additional courses from the Explorations Core areas might not help fulfill overall core requirements.

The Mechanical Engineering Curriculum listed below assumes that at least 6 of the core area requirements will be fulfilled by courses that are 4 semester hours. Combined with the 3 semester hours from CIVL 395, this 4-year plan most efficiently satisfies the core requirements.

All required Flagged Courses are fulfilled by the Mechanical Engineering major requirements. Therefore, these flags do not need to be considered when selecting core courses.

## Mechanical Engineering Curriculum

### Freshman Year

#### Fall Semester

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- MATH 131 Calculus I *4 semester hours*

- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

### Spring Semester

- BIOL 114 Biology for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 17-18 semester hours

### Sophomore Year

#### Fall Semester

- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ENGR 200 Statics *3 semester hours*
- MATH 234 Calculus III *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

#### Spring Semester

- MATH 245 Ordinary Differential Equations *3 semester hours*
- MECH 211 Computer Aided Design *2 semester hours*
- MECH 212 Mechanics of Materials *3 semester hours*
- MECH 213 Dynamics *3 semester hours*
- MECH 214 Materials Science *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Junior Year

#### Fall Semester

- MATH 355 Methods of Applied Mathematics *3 semester hours*
- MECH 223 Thermodynamics *3 semester hours*
- MECH 303 Solid Mechanics and Materials Laboratory *2 semester hours*

- MECH 312 Vibrations *3 semester hours*
- MECH 322 Fluid Mechanics *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- MECH 302 Thermal Science and Energy Lab *2 semester hours*
- MECH 310 Machine Design *3 semester hours*
- MECH 321 Energy Systems *3 semester hours*
- MECH 323 Heat Transfer *3 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

### Senior Year

#### Fall Semester

- MECH 401 Design Capstone Project I *3 semester hours*
- MECH 410 Design and Manufacturing Laboratory *2 semester hours*
- MECH 412 Control Systems *3 semester hours*
- MECH 5xx Elective *3 semester hours*
- MECH 5xx Elective *3 semester hours*

Total: 14 semester hours

#### Spring Semester

- CIVL 395 Engineering Economics and Decision Theory *3 semester hours*
- MECH 402 Design Capstone Project II *3 semester hours*
- MECH 5xx Elective *3 semester hours*
- MECH 5xx Elective *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

Total Required: 131 semester hours

### Dual-Degree

# Dual M.S. in Mechanical Engineering/Master of Business Administration

The mission of the Dual Degree MS in Mechanical Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The dual degree MS/MBA program will confer two degrees upon its graduates: an MBA and an MS in Mechanical Engineering. Students may obtain either an MS in Mechanical Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Mechanical Engineering/MBA program is designed to be completed in approximately three years. Typically, the Mechanical Engineering classes are completed first, followed by taking the required classes in the MBA program.

## Learning Outcomes

### For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.
- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

The student and graduate program director will work out a study plan to complete both degrees in 2-3 years depending upon the number of classes the student plans to take each semester.

Pending MECH faculty interest and availability and MECH department approval, students enrolled in the MS/MBA dual degree program may have the option to do a research/independent project (MECH 685 Research Project) that could be co-advised by a faculty in the business school. Enrollment in the MECH 685 Research Project course requires approval of the graduate program director.

Students enrolled in the MS/MBA dual degree program are not be eligible to take Project Management or Systems Engineering as a MECH 500/600 elective, including cross-listed courses.

## For the Mechanical Engineering M.S.:

1. An ability to apply knowledge of mathematics, science, and engineering to solve societal problems.
2. An ability to design and synthesize a system to meet desired needs within realistic constraints such as economic, environmental, sociopolitical, and ethical.
3. An ability to conduct graduate level research using skills learned in various courses and publish their results in journals and /or conferences.
4. An ability to engage in life-long learning, function in multi-disciplinary teams, and communicate effectively.
5. An ability to understanding professional and ethical responsibility.

## Admissions

A student must be accepted by both the MBA Program in the College of Business Administration and by the M.S. in Mechanical Engineering Program in the Frank R. Seaver College of Science and Engineering before they will be admitted into the dual degree program. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted on-line to Graduate Admissions with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science with a GPA of 3.0 or better
- Two years of full time work experience is preferred
- Resume
- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Mechanical Engineering in the Seaver College and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of Mechanical engineering courses the first year of the dual-degree program, then begin the MBA curriculum in year two, and select electives and additional Mechanical Engineering courses in year three.

In addition to the MBA Curriculum, dual degree students will take a total of eight (8) Mechanical Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses taken as part of the MBA coursework and apply to the M.S. in Mechanical Engineering. When the course requirements outlined below are completed, the student will be awarded both the MBA and the MS in Mechanical Engineering.

MBA curriculum (no emphasis) Note: 5 Mechanical Engineering Courses count towards the electives in the MBA program	36 semester hours
MS in Mechanical Engineering curriculum. Note: 2 MBA courses count towards 500-level Mechanical Engineering electives for the MS in Mechanical Engineering	24 semester hours

Dual Degree Total:	60 semester hours

## Masters

### Mechanical Engineering, M.S.E.

#### Learning Outcomes

1. An ability to apply knowledge of mathematics, science, and engineering to solve societal problems.
2. An ability to design and synthesize a system to meet desired needs within realistic constraints such as economic, environmental, sociopolitical, and ethical.
3. An ability to conduct graduate level research using skills learned in various courses and publish their results in journals and /or conferences.
4. An ability to engage in life-long learning, function in multi-disciplinary teams, and communicate effectively.
5. An ability to understanding professional and ethical responsibility.

#### Admission Requirements

All applicants must possess a Bachelor of Science (B.S.) degree or an undergraduate engineering degree, which shall include at least:

1. 3 semester hours (1 course) of general chemistry
2. Mathematics courses through differential equations

Those applicants who do not possess an engineering degree, in addition to items 1 and 2 above, should complete the following five courses with an average grade of B (3.0) or better. These are: Mechanics of Material, Dynamics, Thermodynamics, Fluid Mechanics, and Heat Transfer.

A completed application form and \$50 application fee (completed online at LMU Graduate Admission). Admission into the program is in strict conformity with the requirements for all graduate students set forth by the LMU Graduate Division. Upon review of the student's undergraduate and professional preparation, additional admission requirements may be set by the Mechanical Engineering Department. Students applying for the combined B.S./M.S. degrees must apply in the Fall semester of their senior year, indicating the "Combined B.S. and M.S." on their application form.

#### Program Requirements

### Requirements for Master of Science in Engineering Degree, major in Mechanical Engineering (30 semester hours)

The candidate for the Master of Science in Engineering degree in Mechanical Engineering must satisfy the following requirements:

1. Complete MECH 604, Engineering Mathematics
2. Complete 27 semester hours (9 courses) from MECH 500 and 600 level courses.
3. At least 12 semester hours must be at the 600 level.

A maximum of one elective course in another engineering department may be taken with the consent of the Graduate Program Director. The Thesis Option (MECH 686) may be chosen to satisfy up to 6 semester hours of these elective course requirements (see below).

4. Maintain a minimum cumulative GPA of 3.0 ("B") for all coursework
5. A maximum of four courses (12 semester hours) may be taken in any given semester
6. Thesis Option

With the consent of the Graduate Director, the student may elect a thesis. The thesis will satisfy 6 semester hours of the elective mechanical engineering course work requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any given semester (MECH 686). The student electing the thesis option must obtain a thesis advisor before Graduate Director consent will be considered. Formal thesis requirements must be obtained from the Graduate Program Director.

## Requirements for the Combined B.S./M.S. Degrees, major in Mechanical Engineering

### **(30 semester hours)**

Only LMU Seniors in Mechanical Engineering with a GPA of 3.0 or greater are eligible to apply for the combined degree program. The student must apply for admission before the end of the Fall semester of the senior year. The candidate for the Combined B.S./M.S. in Engineering degree in Mechanical Engineering must satisfy the following requirements:

1. Students may count one 500-level class from their undergraduate degree towards their masters degree. Therefore, the student must complete 27 semester hours from MECH 500- and 600-level courses.
2. The student should take two 500- or 600-level courses during Summer Session immediately following the senior year. At least three courses per semester are typically taken during the first year of the program.
3. Complete MECH 604 Engineering Mathematics.
4. A maximum of one elective course in another Engineering department may be taken with the consent of the Graduate Program Director. The Thesis Option (MECH 686) may be chosen to satisfy up to 6 semester hours of these elective course requirements.
5. Thesis Option: With the consent of the Graduate Director, the student may elect a thesis. The thesis will satisfy 6 semester hours of the elective mechanical engineering course work requirements. The student may enroll for a maximum of 3 semester hours of Master's Thesis in any given semester (MECH 686). The student electing the thesis option must obtain a thesis advisor before Graduate Director consent will be considered. Formal thesis requirements must be obtained from the Graduate Program Director.

# Physics and Engineering Physics

## Faculty

Chairperson: Jonas R. Mureika

Professors: John B. Bulman, Vincent P. Coletta, Jonas R. Mureika, Jeffrey A. Phillips, Gabriele U. Varieschi

Emeritus Professor: Jeff Sanny

Clinical Associate Professor: David Berube

Assistant Professor: Zahra Alavi, Emily Hawkins

Adjunct Professor: James McCarthy

The Physics and Engineering Physics department offers degrees in Physics and Applied Physics.

## Bachelors

### Applied Physics, B.S.

#### Objectives

The Bachelor of Science in Applied Physics is an interdisciplinary program that integrates the core physics curriculum with those of other majors. Students will choose the appropriate sequence of courses that matches their career aspirations in consultation with their advisor. By combining different perspectives, tools, and ideas, Applied Physics majors will be prepared to address some of today's and tomorrow's most challenging problems. In addition to regular coursework, all Applied Physics majors must complete a senior thesis project as a graduation requirement. This hands-on research experience with faculty from Physics and other disciplines exposes students to the type of work encountered in graduate school and industry, and enhances their undergraduate portfolio. Upon graduation, students are prepared to be successful in traditional physics career as well as in new and emerging fields.

#### Major Requirements

##### Lower Division Requirements:

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*

- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 195 Waves and Light *3 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*

**Note:**

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

**Upper Division Requirements:**

- ELEC 301 Junior Lab I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- ELEC 354 Electronics II *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- PHYS 301 Electromagnetic Fields *3 semester hours*
- PHYS 302 Electromagnetic Waves *3 semester hours*
- PHYS 321 Quantum Mechanics I *3 semester hours*
- PHYS 322 Quantum Mechanics II *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours*

**Two upper division physics electives selected from the following:**

- PHYS 351 Space Physics *3 semester hours*
- PHYS 361 Astrophysics *3 semester hours*
- PHYS 371 Biophysics *3 semester hours*
- PHYS 421 Condensed Matter Physics *3 semester hours*
- PHYS 441 Modern Optics *3 semester hours*
- PHYS 461 Elementary Particle Physics *3 semester hours*
- PHYS 471 Introduction to Relativity and Cosmology *3 semester hours*

**Seniors must complete:**

- PHYS 480 Capstone Experience *1 semester hours*
- PHYS 481 Senior Thesis *1 semester hours*

**Students must also take a two-course sequence in a technical area:**

Among the options are:

- ELEC 302 Junior Lab II *3 semester hours* and
- ELEC 383 Introduction to Microprocessors *3 semester hours*
  
- MECH 323 Heat Transfer *3 semester hours* and
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
  
- ELEC 371 Linear Systems *3 semester hours* and
- ELEC 423 Communications I *3 semester hours*

### Note:

To graduate, a student must have at least a 2.0 (C) average in all upper division physics courses.

## Learning Outcomes

Applied Physics majors will know:

1. The concepts of classical physics
2. The theories of modern and contemporary physics
3. The applicability of physics to other disciplines

Applied Physics majors will be able to:

1. Understand, apply, and adapt known physical models to real-world situations
2. Solve problems, which includes formulating a strategy, estimating a solution, applying appropriate techniques, and evaluating the result
3. Design systems, conduct experiments, and analyze data to address the needs of contemporary society
4. Employ computational methods to perform calculations and generate data that model physical systems
5. Communicate effectively their understanding of core applied physics principles, the results of experiments, and their analysis of physical problems

Applied Physics majors will value:

1. Ethical and unbiased actions as cornerstones to the scientific method
2. The impact of applied physics on society
3. The interplay between theory and applications

## Applied Physics Curriculum

*(127-128 S.H.)*

### Freshman Year

#### Fall Semester

- PHYS 195 Waves and Light *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- ENGR 100 Introduction to Engineering Analysis, Problem Solving, and Design *3 semester hours*
- MATH 131 Calculus I *4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

### Sophomore Year

#### Fall Semester

- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- ELEC 210 Electric Circuit Analysis *3 semester hours*
- ELEC 213 Electric Circuit Analysis Lab *0 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*
- ELEC 220 Electric Circuit Applications *3 semester hours*
- ELEC 281 Logic Design *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*

Total: 16 semester hours

### Junior Year

#### Fall Semester

- PHYS 301 Electromagnetic Fields *3 semester hours* or
- PHYS 321 Quantum Mechanics I *3 semester hours*
- ELEC 353 Electronics I *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
- ELEC 301 Junior Lab I *3 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
  
- ELEC 354 Electronics II *3 semester hours*
- Technical Sequence *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Senior Year

#### Fall Semester

- PHYS 301 Electromagnetic Fields *3 semester hours* or
- PHYS 321 Quantum Mechanics I *3 semester hours*
  
- PHYS 480 Capstone Experience *1 semester hours*
- Upper Division Physics Elective *3 semester hours*
- Technical Sequence *3 semester hours\**
- PHYS 411 Modern Physics Lab *3 semester hours*

Total: 13 semester hours\*\*

#### Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
  
- PHYS 481 Senior Thesis *1 semester hours*
- Upper Division Physics Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

\*A two-course sequence in a technical area is required.

Some recommended sequences are:

- ELEC 302 Junior Lab II *3 semester hours* and
  - ELEC 383 Introduction to Microprocessors *3 semester hours*
- or

- MECH 322 Fluid Mechanics *3 semester hours* and
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*  
or
- ELEC 371 Linear Systems *3 semester hours* and
- ELEC 423 Communications I *3 semester hours*

## Note:

\*\*Dean's List requires a minimum of 14 semester hours

\*\*Applied Physics majors are required to take a minimum of 32 semester hours to fulfill the University Core

Total: 127-128 semester hours

## Physics, B.S.

### Objectives

The Bachelor of Science in Physics provides a solid foundation in classical, quantum, and relativistic physics. By choosing appropriate physics electives in consultation with her/his faculty advisor, the student can study astrophysics, condensed matter systems, cosmology, particle physics, and space physics. In addition to regular coursework, all Physics majors must complete a senior thesis project as a graduation requirement. This hands-on research experience with Physics faculty exposes students to the type of work encountered in graduate school and industry, and enhances their undergraduate portfolio. Upon graduation, Physics students can pursue advanced studies in a variety of physics-related disciplines, as well as in fields such as teaching, medicine, business management, and law, where physics majors can utilize their problem-solving and critical-thinking skills.

### Major Requirements

#### Lower Division Requirements:

- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- MATH 132 Calculus II *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 195 Waves and Light *3 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*

## Note:

Each course in MATH and PHYS listed above must be passed with a grade of C (2.0) or better.

### Upper Division Requirements:

- MATH 355 Methods of Applied Mathematics *3 semester hours*
- PHYS 301 Electromagnetic Fields *3 semester hours*
- PHYS 302 Electromagnetic Waves *3 semester hours*
- PHYS 321 Quantum Mechanics I *3 semester hours*
- PHYS 322 Quantum Mechanics II *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours*
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*

### One from:

- MATH 350 Advanced Linear Algebra *3 semester hours*
- MATH 357 Complex Variables *3 semester hours*
- MATH 360 Introduction to Probability and Statistics *3 semester hours*

### Three upper division physics electives selected from the following:

- PHYS 351 Space Physics *3 semester hours*
- PHYS 361 Astrophysics *3 semester hours*
- PHYS 371 Biophysics *3 semester hours*
- PHYS 421 Condensed Matter Physics *3 semester hours*
- PHYS 441 Modern Optics *3 semester hours*
- PHYS 461 Elementary Particle Physics *3 semester hours*
- PHYS 471 Introduction to Relativity and Cosmology *3 semester hours*

### Seniors must complete:

- PHYS 480 Capstone Experience *1 semester hours*
- PHYS 481 Senior Thesis *1 semester hours*

### Note:

To graduate, a student must have at least a 2.0 average in all upper division physics courses.

## Learning Outcomes

Physics majors will know:

1. The concepts of classical physics
2. The theories of modern physics
3. The discoveries and questions of contemporary physics

Physics majors will be able to:

1. Form new inferences about the physical world by carrying out scientific investigations

2. Solve problems, which includes formulating a strategy, estimating a solution, applying appropriate techniques, and evaluating the result
3. Design and conduct experiments, and well as analyze and interpret the resulting data
4. Employ computational methods to perform calculations and model physical systems
5. Communicate effectively their understanding of core physical principles, the results of experiments, and their analysis of physical problems

Physics majors will value:

1. Ethical and unbiased actions as cornerstones to the scientific method
2. The impact of physics on society
3. The role of elegance and beauty in the scientific process

## Physics Curriculum

(124-126 S.H.)

### Freshman Year

#### Fall Semester

- PHYS 195 Waves and Light *3 semester hours*
- CHEM 111 General Chemistry I Lab *1 semester hours*
- CHEM 114 General Chemistry for Engineers *3 semester hours*
- MATH 131 Calculus I *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- PHYS 101 Introduction to Mechanics *4 semester hours*
- ENGR 160 Algorithms and Applications *3 semester hours*
- MATH 132 Calculus II *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 14-15 semester hours

### Sophomore Year

#### Fall Semester

- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- MATH 234 Calculus III *4 semester hours*
- MATH 245 Ordinary Differential Equations *3 semester hours*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

## Spring Semester

- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 212 Intermediate Mechanics *3 semester hours*
- MATH 250 Linear Algebra *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 16-18 semester hours

## Junior Year

### Fall Semester

- PHYS 301 Electromagnetic Fields *3 semester hours* or
- PHYS 321 Quantum Mechanics I *3 semester hours*
  
- Upper Division Physics Elective *3 semester hours*
- MATH 355 Methods of Applied Mathematics *3 semester hours*
  
- PHYS 411 Modern Physics Lab *3 semester hours* or
- Upper Division Elective *3-4 semester hours*
  
- University Core *3-4 semester hours*

Total: 15-17 semester hours

### Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
  
- Upper Division Physics Elective *3 semester hours* or
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
  
- MATH 350-360 *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Senior Year

### Fall Semester

- PHYS 301 Electromagnetic Fields *3 semester hours* or

- PHYS 321 Quantum Mechanics I *3 semester hours*
- PHYS 411 Modern Physics Lab *3 semester hours* or
- Upper Division Elective *3-4 semester hours*
- PHYS 480 Capstone Experience *1 semester hours*
- Upper Division Physics Elective *3 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 16-19 semester hours

### Spring Semester

- PHYS 302 Electromagnetic Waves *3 semester hours* or
- PHYS 322 Quantum Mechanics II *3 semester hours*
- Upper Division Physics Elective *3 semester hours* or
- PHYS 451 Thermodynamics and Statistical Mechanics *3 semester hours*
- PHYS 481 Senior Thesis *1 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours* or
- University Core *3-4 semester hours\**

Total: 13-15 semester hours\*\*

### Note:

\*Physics majors are required to take a minimum of 32 semester hours to fulfill the University Core

\*\*Dean's List requires a minimum of 14 semester hours

Total: 124-126 semester hours

## Minor

### Physics Minor

#### Minor Requirements

21 semester hours with at least 6 semester hours in upper division courses. These shall include:

either:

- PHYS 101 Introduction to Mechanics *4 semester hours*
- PHYS 201 Introduction to Electricity and Magnetism *4 semester hours*
- PHYS 206 Foundations of Modern Physics *4 semester hours*

or:

- PHYS 206 Foundations of Modern Physics *4 semester hours*
- PHYS 253 General Physics I *4 semester hours*
- PHYS 254 General Physics II *4 semester hours*

Notes:

1. A grade of C (2.0) is required for every course included in the minor.
2. PHYS 374 Weapons of Mass Destruction cannot be taken for credit towards a physics minor.

## Systems Engineering and Engineering Management

### Faculty

Graduate Director: Claire Leon

### Lecturers

Elham Ghashghai, Ph.D.; Robert J. Johnson, Ph.D.; Umesh Ketkar, Andrew Kopito; Matthew Miller, Esq.; Mary Magilligan; Barry Molnaa; Vera Mulyani; Scott Neibuhr; John Poladian; Marcus Risso, Esq.; Nirav Shah, Ph.D.; Charles Tang, Ph.D.; Bonnie Triezenberg, Ph.D.

### Program Advisers

Daniel Feller, Program Director, Millennium; Malina Hills, VP, Aerospace; James Horejsi, Col., USAF SM, Ret.; Lynn Hughes, VP, Northrop Grumman; David Klemes, Director of Systems Engineering, Boeing; Donna Rhodes, Ph.D., MIT

### Contact Information

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# Mission Statement

The LMU Systems Engineering (SE) programs are graduate-only programs characterized by excellence in SE that prepare graduates to address and ethically solve some of the most complex problems facing society. The programs include an MS in Systems Engineering, with an option for a technical focus in one of the engineering disciplines (civil engineering; environmental and water resources engineering; mechanical engineering; computer science, and cybersecurity). The dual degree program (MS in SE and Master of Business Administration) leverages both the engineering and business disciplines to prepare graduates for leadership in technical and healthcare endeavors. The programs incorporate teaching in advanced Lean methods applied to systems engineering, program management.

Modern technological program are characterized by high complexity, multidisciplinary considerations, and strong interactions between science, technology, business, and human civilization. Systems Engineering is the body of knowledge evolved to effectively manage such systems. Our programs offer a broad menu of study options and technical focus areas that allow students to customize the program to meet their needs.

## Schedule

Most engineering courses are offered on the LMU Westchester campus and typically meet in the evenings (online/hybrid courses are identified individually). Usually courses meet one evening per week for three hours except during the summer terms when each course meets two evenings per week for 3.5 hours each.

Registering for courses is the student's responsibility. A student is expected to make reasonable progress toward the degrees to remain in good standing at the University. A full-time course load is considered to be two courses in Fall and Spring semesters.

## MS in Systems Engineering Program Overview

The graduate program in Systems Engineering is designed to provide practical knowledge in the areas of systems engineering and project management and deepen technical skills. The curriculum includes coursework in systems engineering, engineering project management and the student's choice of a technical focus area. The options for technical focus include: Systems Engineering, Engineering Management, Electrical Engineering, Mechanical Engineering, Civil Engineering, Cybersecurity, Software Architecture, and Aeronautics & Space Systems.

## Program Educational Learning Outcomes and Objectives

The Systems Engineering graduate program has established the following program educational learning outcomes and objectives. Graduates of the program will:

1. Apply the fundamental principles of systems engineering to complex problems
2. Become leaders of innovative technology projects and businesses
3. Develop multidisciplinary skills to architect, design, and manage complex systems throughout their life cycle
4. Apply principles of project management and lean engineering to improve operational efficiency
5. Develop technical skills to model, analyze, and design integrated engineering systems

## Master of Science in Systems Engineering Program offers the two following modalities:

1. MS in Systems Engineering program for working professionals and full-time graduate students

2. 4+1 MS in Systems Engineering program for LMU undergraduate engineering, math, computer science, and physics students who earn their BS degree at LMU and wish to earn the MS in Systems Engineering degree one year later

## Dual MS in Systems Engineering/Masters of Business Administration

The mission of the Dual Degree MS in Systems Engineering/MBA program is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The SYEG will confer two degrees upon its graduates: an MBA and an MS in Systems Engineering. Students may obtain either an MS in Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

The dual degree MS in Systems Engineering/MBA program is designed to be completed in approximately three years. Typically, the Systems Engineering classes are completed first, followed by taking the required classes in the MBA program.

## Certificate Programs

The Certificate programs (Aeronautics and Space Systems, Cybersecurity, Engineering Project Management, Software Architecture, and Systems Engineering) can be completed within three consecutive semesters, or one year if one class is taken during the summer sessions.

## Certificates

The five graduate certificate programs offer convenient advanced program for the engineers, systems engineers and manager who would benefit from understanding the concepts, principles and practices both in theory and in real world implementation for key areas in today's advancing technological world.

- Aeronautics and Space Systems
- Cybersecurity
- Engineering Project Management
- Software Architecture
- Systems Engineering

Upon completion of the certificate program, the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate to be credited towards the M.S. degree.

## Admission Requirements

- Application to Graduate Admission and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Transcript documenting B.S. in engineering or B.A. in Program Management or equivalent degree (GPA of 3.0 or better) from an accredited university program
- If the applicant's GPA is below 3.0, also submit two letters of recommendation from past professors or current employer.
- Two years' work experience is preferred.
- Brief personal statement discussing how the graduate program fits the applicant's career goals

## GPA

Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree. The overall minimum GPA required for graduation is 3.0 in the MS programs and 2.7 in the Certificate programs.

## Graduation Requirements

Completion of the three courses from one of the certificate technical areas of study below (9 semester hours):

- Aeronautics and Space Systems (SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, MECH 544 Propulsion, ELEC 521 Introduction to Communication Systems, ELEC 598--Optical Communications)
- Cybersecurity Certificate--SYEG 560 Cyber Security, SYEG 562 Secure Software Development, SYEG 563 Case Studies in Cyber Defense, SYEG 664 Advanced Cybersecurity Management
- Engineering Project Management Certificate--SYEG 510 Project Management, SYEG 520 Engineering Leadership and Integrity, SYEG 530 Lean Engineering and Management, SYEG 557 Agile Development and Project Management, SYEG 576 Business Law for Engineers, SYEG 620 Manufacturing Processes and Quality Systems, SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation
- Software Architecture Certificate--SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, ELEC 699--GPU Architecture & Computing, ELEC 699--Deep Learning Algorithms & Apps)
- Systems Engineering Certificate--three SYEG 500 or 600 level courses

Other systems engineering courses may be substituted for the above courses with the approval of the Graduate Program Director.

## Schedule for Certificate Programs

The student can complete the certificate program in one year by taking one course per semester including summer.

## Certificate

### Aeronautics and Space Systems Certificate

The graduate certificate in Aeronautics and Space Systems is a convenient program for scientists and engineers to enhance and update their skills in modern high technology systems. The program is designed for project engineers and managers of Aerospace systems, and includes classes in a wide range of Aerospace systems, including spacecraft design, communication and optical systems, and propulsion. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

### Computer Science/Software Architecture Certificate

The graduate certificate in Software Architecture is a convenient program for computer scientists and engineers to enhance and update their skills in modern software systems and solutions. The program is designed for project engineers and managers of integrated hardware and software systems, and includes an overview of common software architectural patterns and key systems implementation decisions such as centralized vs distributed architectures, cloud computing, engineering for autonomy, and agile software development and project management. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

## Schedule

The student can complete the certificate program in one year by taking one course per semester including summer.

## Cybersecurity Certificate

The graduate certificate in Cybersecurity is a convenient program for engineers, computer scientists and managers that covers the most pressing concerns for the design, development, implementation and operations of cyber resilient systems. Key coursework includes an overview of cybersecurity issues and concerns, including system management and governance, secure software development, and managing the operational environment in the presence of threats. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

## Schedule

The student can complete the certificate program in one year by taking one course per semester including summer.

## Engineering Project Management Certificate

The graduate Certificate in Business of Engineering is a convenient advanced program for the engineers, systems engineers and individuals in program management desiring to acquire higher and practical knowledge of managing complex engineering programs. Upon completion of the certificate program, the student may re-enroll for the M.S. degree in Systems Engineering and have the courses completed for the certificate to be credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

## Schedule

The student can complete the certificate program in one year taking one course per semester, including Summer.

Registering into the courses is the student's responsibility.

## Systems Engineering Certificate

The graduate certificate in Systems Engineering is a convenient program of the engineers desiring to acquire the fundamentals of Systems Engineering without the commitment to a full degree program. Upon completion of the certificate program the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate credited towards the M.S. degree.

Admission and graduate requirements are found at Systems Engineering and Engineering Management.

## Schedule

The student can complete the certificate program in one year taking one course per semester including summer.

Registering into the courses is the student's responsibility.

## Dual-Degree

### **Dual M.S. in Systems Engineering/Master of Business Administration**

The mission of the Systems Engineering Leadership Program (SYEG) is to educate working engineers and scientists in the engineering and business disciplines that will make them leaders of highly complex technical endeavors within their sponsoring organizations.

The SYEG Dual Degree MS in Systems Engineering/MBA program will confer two degrees upon its graduates: an MBA and an MS in Systems Engineering. Students may obtain either an MS in Systems Engineering or an MBA degree as a stand-alone by fulfilling the individual degree requirements. Taking the dual degree program saves the student several courses compared to the two programs taken separately.

## Learning Outcomes

### For the Systems Engineering M.S.:

- Apply the fundamental principles of systems engineering to complex problems
- Become leaders of innovative technology projects and business
- Develop multidisciplinary skills to architect, design, and manage complex systems throughout their life cycle
- Apply principles of project management and lean engineering to improve operational efficiency
- Develop technical skills to model, analyze, and design integrated engineering systems

### For the M.B.A.:

- Students will be able to apply key concepts in the business-related areas of accounting, finance, marketing, operations and supply chain management, information technology, and economics.
- Students will be able to evaluate how economic and trade issues, different cultures, and the political environment impact business situations.
- Students will be able to utilize critical thinking skills in analyzing business situations.
- Students will be able to integrate concepts and skills from multiple business areas when analyzing business situations.
- Students will be able to effectively express knowledge and ideas through written communication and oral communication.
- Students will be able to demonstrate an understanding of leadership principles within themselves and in organizations.
- Students will understand and be able to evaluate formal and informal organizational structure and processes.
- Students will be able to analyze teamwork and interpersonal relations in an organizational setting.

- Students will be able to apply appropriate data analysis techniques in the analysis of business situations and in decision making.
- Students will be able to identify an ethical dilemma in a business situation and apply an ethics model or framework to propose and defend a resolution.
- Students will be able to identify social responsibility issues and incorporate responsibility to stakeholders in their analysis of business situations.
- Students will be able to identify sustainability issues and incorporate environmental responsibilities in their analysis of business situations.

## Admissions

Both the MBA Program in the College of Business and the Systems Engineering Program in the Frank R. Seaver College of Science and Engineering must accept students applying to the SYEG for admission. The admissions process to both Colleges will be coordinated within the University. Prospective students need to submit only one application to the LMU Graduate Division. The application is submitted online to Graduate Admission with a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>. Applicants must submit:

- GMAT or GRE score (for admission into the College of Business Administration)
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program (or equivalent) with a GPA of 3.0 or higher
- Three of more years of related work experience
- Resume
- Essay discussing how the two degrees fit into applicant's career development

## Graduation Requirements

Students enrolled in the SYEG Dual Degree MS/MBA Program are jointly advised by the Graduate Program Director for Systems Engineering and Engineering Management in the Frank R. Seaver College of Science and Engineering and the MBA Program Director in the College of Business Administration. Students can begin the dual degree program in any semester. It is recommended that incoming students take a full course load of SYEG courses the first year of the dual degree program, then begin the MBA curriculum in year two, and select electives and additional SYEG courses in year three.

In addition to the MBA Curriculum, SYEG dual degree students will take a total of eight (8) Systems Engineering courses, of which five will be used to satisfy the emphasis/concentration requirement for the MBA degree. Two of the MBA courses of the SYEG are taken as part of the MBA coursework and apply to the M.S. in Systems Engineering.

MBA curriculum (no emphasis) Note: Five (5) Systems Engineering courses count towards the electives in the MBA program.	36 semester hours
SYEG: Eight (8) courses in Systems Engineering Note: Two (2) MBA courses count toward electives for the MS in Systems Engineering.	24 semester hours
<b>Total:</b>	<b>60 semester hours</b>

Note:

The Graduate Program Director for the MS in Systems Engineering has the discretion to substitute other SYEG Systems Engineering coursework based on availability and Frank R. Seaver College of Science and Engineering Dean's office approval.

## MBA Curriculum Requirements for the Dual Degree M.B.A./M.S. in Systems Engineering Dual Degree:

- MBAW 6400 MBA Orientation *2 semester hours*
- MBAA 6010 Managing People and Organizations *3 semester hours*
- MBAA 6020 Financial and Managerial Accounting *3 semester hours*
- MBAA 6030 Global Economic Structures and Systems *1.5 semester hours (8-week course)*
- MBAA 6040 Managing Markets and Customer Relationships *3 semester hours (8-week course)*
- MBAA 6050 Managing Operations *1.5 semester hours (8-week course)*
- MBAA 6060 Strategic Management *3 semester hours*
- MBAA 6070 Managing Financial Resources *3 semester hours*
- MBAA 6080 Data, Models, and Decisions *3 semester hours*
- MBAA 6090 Managing Information Systems *3 semester hours (8-week course)*
- Business and Society Elective *3 semester hours*
- International Experience *3 semester hours*
- MBAA 6100 Managing International Business *3 semester hours*
- MBAW 6307 Management Leadership Workshop: Planning Your Future *0 semester hours*
- MBAW 6402 The Elements of Becoming A Strategic Leader *1 semester hours*

Total Requirement: 36 semester hours

### Note:

When the course requirements outlined above are completed, the student will be awarded both the MBA and the MS in Systems Engineering degrees.

### Schedule

The dual degree can be completed in approximately three years by a student taking two to three courses each semester, including summer. The program can be accelerated by taking 4-5 classes per semester.

### Masters

## Systems Engineering, M.S., with an Option for a Technical Focus

### Program Overview

Systems engineering is an interdisciplinary field of engineering and engineering management. Systems engineering starts with defining customer needs and the required system functionality. It includes elements of system design and optimization, decision making, system integration, and risk management. Systems engineers focus on how to design and manage complex systems over

their lifecycle, and ensure that all aspects of the project or system are considered and integrated into a whole. Systems engineers get involved in a myriad of technical challenges and problems to ensure a project works.

The graduate program in Systems Engineering is designed to provide practical knowledge in the areas of systems engineering and project management and deepen technical skills. The curriculum includes coursework in systems engineering, engineering project management, and the student's choice of a technical focus area. The options for technical focus include: Systems Engineering, Engineering Management, Electrical Engineering, Mechanical Engineering, Civil Engineering, Cybersecurity, Software Architecture, and Aeronautics & Space Systems.

## Program Educational Learning Outcomes and Objectives

The Systems Engineering graduate program has established the following program educational learning outcomes and objectives. Graduates of the program will:

1. Apply the fundamental principles of systems engineering to complex problems
2. Become leaders of innovative technology projects and businesses
3. Develop multidisciplinary skills to architect, design, and manage complex systems through their life cycle
4. Apply principles of project management and lean engineering to improve operational efficiency
5. Develop technical skills to model, analyze, and design integrated engineering systems

**Master of Science in Systems Engineering Program offers the two following modalities:**

1. M.S. in Systems Engineering program for working professionals and full-time graduate students
2. 4+1 M.S. in Systems Engineering program for LMU undergraduate engineering, math, computer science, and physics students who earn their B.S. degree at LMU and wish to earn the M.S. in Systems Engineering degree one year later

## M.S. in Systems Engineering for working professionals and full-time students

### Admission Requirements

All applicants must submit:

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- A transcript documenting the Bachelor's degree in engineering or science from an ABET accredited program with a GPA of 3.0 or better
- Three or more years of related work experience (recommended)
- Resume
- Two letters of recommendation
- Essay demonstrating how an M.S. in Systems Engineering supports their career goals

Promising applicants who do not satisfy these requirements will be considered for conditional admission and, when so admitted, must demonstrate satisfactory performance during their first year in the program.

### Graduation Requirements for M.S. in Systems Engineering, with an Option for a Technical Focus

- The overall minimum GPA required for graduation is 3.0. Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree.
- The requirement for the M.S. in Systems Engineering degree is 10 courses (30 credits), as follows:

Completion of three of the following core Systems Engineering courses (9 semester hours):

- SYEG 500 Systems Engineering *3 semester hours* (required)
- SYEG 540 Systems Thinking: Major Tech Changes/Impacts *3 semester hours*
- SYEG 650 Systems Architecture I *3 semester hours*
- SYEG 600 Advanced Systems Engineering and Program Management *3 semester hours*
- SYEG 640 Systems Architecture II: Model Based Systems Engineering *3 semester hours*
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours*
- Selected courses from the technical focus areas: SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, SYEG 562 Secure Software Development, SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, SYEG 560 Cyber Security, SYEG 699 Independent Studies *3 semester hours*
- SYEG 698 Special Studies *1 TO 3 semester hours*

Note:

Other engineering/systems engineering courses may be substituted for the above courses with the approval of the Graduate Program Director.

Completion of three of the following core Engineering Project Management courses (9 semester hours):

- SYEG 510 Project Management *3 semester hours* (required)
- SYEG 520 Engineering Leadership and Integrity *3 semester hours*
- SYEG 530 Lean Engineering and Management *3 semester hours*
- SYEG 557 Agile Development and Project Management *3 semester hours*
- SYEG 576 Business Law for Engineers *3 semester hours*
- SYEG 577 Engineering Economics and Finance *3 semester hours*
- SYEG 600 Advanced Systems Engineering and Program Management *3 semester hours*
- SYEG 620 Manufacturing Processes and Quality Systems *3 semester hours*
- SYEG 560 Cyber Security *3 semester hours*
- SYEG 673 New Product Design and Development *3 semester hours*
- SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation *3 semester hours*

Note:

Other project management courses may be substituted for the above courses with the approval of the Graduate Program Director.

Completion of three technical electives, depending on the technical focus area, to be selected from the following:

- Systems Engineering: Three SYEG 500 and 600 level courses
- Electrical Engineering: Three ELEC 500 or 600 level courses
- Mechanical Engineering: Three MECH 500 or 600 level courses
- Civil Engineering: Three CIVL 500 and 600 level courses
- Cybersecurity: Three cybersecurity courses (SYEG 562 Secure Software Development, SYEG 563 Case Studies in Cyber Defense, SYEG 560 Cyber Security, SYEG 664 Advanced Cybersecurity Management)

- Software Architecture: Three Software Architecture courses (SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, ELEC 699 Independent Studies--GPU Architecture and Computing, ELEC 699 Independent Studies--Deep Learning Algorithms and Apps)
- Aeronautics and Space Systems: Three Aeronautics/Space Systems courses (SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, MECH 544 Propulsion, ELEC 521 Introduction to Communication Systems, ELEC 598 Special Studies--Optical Communications)
- Engineering Management: Three "Business of Engineering" or MBA courses (SYEG 520 Engineering Leadership and Integrity, SYEG 530 Lean Engineering and Management, SYEG 577 Engineering Economics and Finance, SYEG 620 Manufacturing Processes and Quality Systems, SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation; up to three courses from the MBA program with the designation MBAA, MBAD, MBAE, MBAF, MBAG, or MBAH, with concurrence from the Business School, and if prerequisites are satisfied)

#### Note:

Electives are scheduled only if a sufficient number of students sign up. With the approval of the Director, the above curriculum can be adjusted to meet the student's individual educational needs. Taking three technical electives allows the student to graduate with an M.S. in Systems Engineering with a technical focus in that area. The student must apply for the M.S. in Systems Engineering with their desired technical focus area when they apply to the M.S. in Systems Engineering program, or apply for a program transfer after they have started the program.

#### Capstone Project/Integrative Project Thesis:

- SYEG 695 Preparation for Capstone Project *0 semester hours*
- SYEG 696 Systems Engineering Integrative Project/Thesis *3 semester hours*

#### Note:

The Systems Engineering Integrative Project is typically the last course taken in the program. It is designed to demonstrate the student's knowledge of all the systems engineering and systems management principles and lean engineering addressed in the prerequisite courses. The course is typically completed in one semester. SYEG 695 should be taken the semester prior to taking SYEG 696. It is unlikely that the project can be completed in one or two summer sessions due to the shortened schedule.

#### Schedule

The student who successfully completes two courses each Fall and Spring semester, and takes two summer courses, can earn the M.S. degree in two years.

Registering for courses is the student's responsibility. A student is expected to make reasonable progress towards the degrees to remain in good standing at the University. Two courses are considered the full-time course load (at least 6 semester hours) in each of the Fall and Spring semesters.

### 4+1 M.S. in Systems Engineering Program for LMU undergraduate students in engineering, mathematics, computer science, and physics

The 4+1 program is designed for LMU students to receive a combined B.S. and M.S. degree by continuing their studies in LMU's master's programs, immediately following their bachelor's degree. The program allows students to complete the master's degree in one year.

LMU students in Engineering, Mathematics, Computer Science, and Physics with senior standing and a GPA of at least 3.0 can apply. Students enter the program in the semester following graduation. Students can enter this program any term immediately following completion of their undergraduate degree requirements. The deadline for application is one month prior to completing all undergraduate requirements.

1. One Frank R. Seaver College of Science and Engineering 500-level course taken as an undergraduate may count toward the master's degree. This course can be double counted for the bachelor's degree and the master's degree. The student is required to complete 27 additional semester hours after earning the bachelor's degree.
2. In addition, for an admitted student, an extra Seaver College 500-level course may be taken in their senior year that counts towards the master's degree and not the bachelor's degree. This potentially reduces the total number of additional semester hours after earning the bachelor's degree to 24.
3. The remaining coursework required must be consistent with the graduation requirements for the M.S. in Systems Engineering program.

## 4+1 Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Undergraduate GPA of at least 3.0
- Essay demonstrating how an M.S. in Systems Engineering supports their career goals
- Two letters of recommendation

## Certificates

The five graduate certificate programs offer a convenient advanced program for the engineering, systems engineers, and managers who would benefit from understanding the concepts, principles, and practices both in theory and in real world implementation for key areas in today's advancing technological world.

- Systems Engineering Certificate
- Engineering Project Management Certificate
- Cybersecurity Certificate
- Computer Science/Software Architecture Certificate
- Aeronautics and Space Systems Certificate

Upon completion of the certificate program, the student may re-apply for the M.S. degree in Systems Engineering and have the courses completed for the certificate to be crediting towards the M.S. degree.

## Admission Requirements

- Application to Graduate Admissions and a \$50 application fee. To apply online, visit <http://graduate.lmu.edu>.
- Transcript documenting B.S. in engineering or B.A. in Program Management or equivalent degree (GPA of 3.0 or higher) from an accredited university program
- If the applicant's GPA is below 3.0, also submit two letters of recommendation from past professors or current employer.
- Resume demonstrating two years' work experience
- Brief personal statement discussing how the graduate program fits the applicant's career goals

## GPA

Students who receive a grade of less than "B" in any 500-level course or a grade of less than "C" in any 600-level course will not have the course count toward their degree. The overall minimum GPA required for graduation is 3.0 in the M.S. programs and 2.7 in the Certificate programs.

## Graduation Requirements

Completion of the three courses from one of the technical areas of study below (9 semester hours):

- Systems Engineering Certificate--three 500- or 600-level courses (from the Core Systems Engineering Courses in the M.S. in Systems Engineering program)
- Engineering Project Management Certificate--three 500- or 600-level courses in Engineering Management--SYEG 520 Engineering Leadership and Integrity, SYEG 530 Lean Engineering and Management, SYEG 577 Engineering Economics and Finance, SYEG 620 Manufacturing Processes and Quality Systems, SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation
- Cybersecurity Certificate--SYEG 560 Cyber Security, SYEG 562 Secure Software Development, SYEG 563 Case Studies in Cyber Defense, SYEG 664 Advanced Cybersecurity Management
- Software Architecture Certificate--SYEG 551 Software Architecture, SYEG 554 Engineering for Autonomy, SYEG 557 Agile Development and Project Management, ELEC 699 Independent Studies--GPU Architecture and Computing, ELEC 699 Independent Studies--Deep Learning Algorithms and Apps
- Aeronautics and Space Systems--SYEG 570 Spacecraft Design, SYEG 572 Spacecraft Communications and Radar, SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization, SYEG 586 Launch Vehicle Technology and Design Evolution, MECH 544 Propulsion, ELEC 598 Special Studies--Optical Communications

### Note:

Other systems engineering courses may be substituted for the above courses with the approval of the Graduate Program Director.

## Schedule for Certificate Programs

The students can complete the certificate program in one year by taking one course per semester, including summer.

## Courses for MS in Systems Engineering, Dual Degree, and Certificate Programs

The program designator "SYEG" is used for all courses and all study options offered by the Systems Engineering graduate program. The M.S. in Systems Engineering courses selected for the SYEG program must be approved by the Systems Engineering Program Director. The MBA course descriptions can be found in the MBA section. All courses are three (3) semester hours unless otherwise noted.

- SYEG 500 Systems Engineering *3 semester hours*
- SYEG 510 Project Management *3 semester hours*
- SYEG 520 Engineering Leadership and Integrity *3 semester hours*
- SYEG 530 Lean Engineering and Management *3 semester hours*
- SYEG 540 Systems Thinking: Major Tech Changes/Impacts *3 semester hours*
- SYEG 551 Software Architecture *3 semester hours* (cross listed with Computer Science)
- SYEG 554 Engineering for Autonomy *3 semester hours* (cross listed with Computer Science)
- SYEG 562 Secure Software Development *3 semester hours* (cross listed with Computer Science)
- SYEG 563 Case Studies in Cyber Defense *3 semester hours* (cross listed with Computer Science)
- SYEG 557 Agile Development and Project Management *3 semester hours* (cross listed with Computer Science)

- SYEG 570 Spacecraft Design *3 semester hours*
- SYEG 572 Spacecraft Communications and Radar *3 semester hours*
- SYEG 576 Business Law for Engineers *3 semester hours*
- SYEG 584 Occupy Mars; Explorations in Space Travel and Colonization *3 semester hours*
- SYEG 586 Launch Vehicle Technology and Design Evolution *3 semester hours* (online format)
- SYEG 598 Special Studies *1 TO 3 semester hours*
- SYEG 599 Independent Studies *1 TO 3 semester hours*
- SYEG 600 Advanced Systems Engineering and Program Management *3 semester hours*
- SYEG 620 Manufacturing Processes and Quality Systems *3 semester hours*
- SYEG 640 Systems Architecture II: Model Based Systems Engineering *3 semester hours*
- SYEG 650 Systems Architecture I *3 semester hours*
- SYEG 560 Cyber Security *3 semester hours* (cross listed with Computer Science)
- SYEG 664 Advanced Cybersecurity Management *3 semester hours* (cross listed with Computer Science)
- SYEG 668 Systems Engineering Modeling and Analysis *3 semester hours*
- SYEG 673 New Product Design and Development *3 semester hours*
- SYEG 679 Startup Entrepreneurship and Managing Engineering Innovation *3 semester hours*
- SYEG 695 Preparation for Capstone Project *0 semester hours* (one Saturday or evening meeting)
- SYEG 696 Systems Engineering Integrative Project/Thesis *3 semester hours*
- SYEG 698 Special Studies *1 TO 3 semester hours*
- SYEG 699 Independent Studies *1 TO 3 semester hours*

# LMU School of Education

## LMU School of Education

### Administration

**Dean:** Michelle Young

**Associate Dean, Faculty:** Mary McCullough

**Associate Dean, Academic and Student Services:** Franca Dell'Olio

**Associate Dean, Enrollment and Business Services:** Ramiro Euyoque

### Contact Information

**Office Location:** University Hall 2100

**Telephone:** 310.258.8768

**Fax:** 310.258.5599

**Website:** <http://soe.lmu.edu>

### Introduction

The LMU School of Education offers graduate programs in the following areas of study: School Administration, Bilingual Education, Catholic School Administration, Reading Instruction, Higher Education Administration, Urban Education, Educational Studies, School Psychology, Elementary and Secondary Education, Counseling, and Special Education. The School of Education also offers a doctorate in Leadership for Social Justice.

The high quality of the education program is confirmed through its accreditation by the California Commission on Teacher Credentialing, the National Association of School Psychologists, the National Council for the Accreditation of Educator Preparation, and Western Association of Schools and Colleges.

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential programs meet the requirements of states outside of California.

### Mission of the School of Education

In accordance with the Mission of Loyola Marymount University, the faculty, staff, and students of the School of Education understand and declare our purpose to be the encouragement of life-long learning and academic excellence, the education of the whole person, and the promotion of service and justice for all. We commit ourselves to serving public and private education by fostering excellence inspired by the Jesuit and Marymount traditions of Catholic education.

### Goals of the School of Education

The faculty, staff, and students of the School of Education strive to work collaboratively in a student-centered environment to be professionals who act to:

- *Value and respect all individuals*

We believe in the worth of each individual. We affirm the inherent dignity and value of each person as a child of God. Therefore, we believe that all individuals have the potential to be successful learners with unique characteristics and experiences that bring positive value and meaning to the learning experience.

- *Promote social justice*

We recognize the existence of social inequity, marginalization, and the different faces of oppression, and we commit ourselves to work actively for the establishment of a just and equitable society. While it is important to understand critically the structures, practices, and discourses that cause and perpetuate injustice, we also aim to nurture transformative structures, practices, and discourses that actively promote greater equity. This commitment challenges us to think with a global perspective, to embrace the notion of a preferential option for the poor, and to act with a conviction of equity.

- *Promote cultural responsiveness*

We recognize diversity as a strength, and we commit ourselves personally and professionally to serve culturally and linguistically diverse populations. These populations include those who represent cultural diversity broadly defined, including race, ethnicity, socio-economic status, gender, religion, sexual orientation, ability, and age. Among other valuable theories and approaches, we utilize sociocultural and constructivist perspectives in teaching and learning. We value these and other perspectives that promote active participation in learning as well as meaningful and authentic instruction and assessment and emphasize students' cultural and linguistic background experiences.

- *Integrate theory and practice*

We strive to unite theory and practice in a reciprocal relationship that mutually informs each other. We are a community of reflective practitioners, guided by critical inquiry and social responsibility. We actively engage in educational research, including faculty/ student collaboration. We affirm the use of technology in education as authentic, meaningful, and accessible to all learners.

- *Develop moral, intellectual, responsible, and caring leaders*

We are committed to the preparation of educators who will be leaders in the field and who reflect high standards of ethics and values. We seek to be, and to encourage others to be, women and men who have the intellectual skills to critically evaluate educational issues, have the moral conviction to respond as agents of change, and exhibit an ethic of care in the service of others.

- *Collaborate and share leadership across communities*

We believe in the value of working collaboratively with the districts, schools, parents, and students of the communities we serve to successfully educate all learners. We recognize, support, and promote the gifts and talents of community members and encourage their participation in decision-making processes.

## Candidate Outcomes and Proficiencies

The following four broad learning goals are intended to express the expectations for how all candidates will achieve the mission of the School of Education. Under each goal are corresponding candidate learning outcomes that express specific ways in which candidates should be able to demonstrate fulfillment of each goal.

*Unit Goal 1: Candidates will respect and value all individuals and communities.*

*Candidate Learning Outcomes*

**Diversity:** Candidates will know, value, and integrate the diversity of students and their communities

**Culture of high expectations:** Candidates will promote a culture of high expectations for all

**Inclusion:** Candidates will be able to use inclusive strategies and practices

**Community:** Candidates will be able to gather and use multiple resources to better understand and serve their community

*Unit Goal 2: Candidates will integrate theory and practice.  
Candidate Learning Outcomes*

**Knowledge:** Candidates will be able to demonstrate knowledge of historical, philosophical, socio-political, economic, and legal influences on education

**Critical Lens:** Candidates will be able to use a critical lens to analyze and share content knowledge

**Reflection:** Candidates will be able to reflect on personal experience of self and others to inform practice

**Disposition:** Candidates will understand and model exemplary professional practices

**Research:** Candidates will be able to use multiple research methodologies

**Pedagogical Technology:** Candidates will be able to integrate content and pedagogical knowledge, academic skills, and technology in professional practice

*Unit Goal 3: Candidates will advocate for access to a socially just education.  
Candidate Learning Outcomes*

**Communication and Collaboration:** Candidates will be able to effectively communicate and collaborate

**Academic Excellence:** Candidates will promote academic excellence in the field

**Equity:** Candidates will be able to use pedagogical skills to implement principles of equity and empowerment

**Social Justice:** Candidates will be able to understand and respond to issues related to the preferential option for the poor and marginalized groups

**Technology:** Candidates will be able to advocate for and critically use technology

**Lifelong Learning:** Candidates will demonstrate a commitment to ongoing professional development and involvement in professional organizations

*Unit Goal 4: Candidates will lead in order to facilitate transformation.  
Candidate Learning Outcomes*

**Ethics:** Candidates will be able to practice effective, ethical, and moral leadership

**Shared Vision:** Candidates will be able to share and collaboratively construct an inclusive vision within professional learning communities

**Performance Evaluation:** Candidates will be able to seek, reflect upon, and respond to constructive feedback

**Systemic Change:** Candidates will understand and use the elements, processes, and technological advances that lead to systemic change

**Assessment:** Candidates will understand and promote equitable and effective assessment and evaluation systems

## School of Education Academic Regulations

Per Federal Regulation 34 CFR 668.43(a)(5)(v), all LMU School of Education credential/licensure programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC) and for the CA Board of

Behavioral Sciences as appropriate. The institution has not made a determination as to whether these credential, licensure, and professional preparation programs meet the requirements of states outside of California. If you are interested in practicing outside the state of California, it is recommended that you contact the respective licensing entity of that state to seek information or guidance regarding their licensure and credential requirements in advance to allow appropriate planning.

- Pupil Personnel Services: Credential School Counseling
- Pupil Personnel Services: Credential School Psychology
- Pupil Personnel Services: Child Welfare and Attendance
- Education Specialist: Mild/Moderate
- Bilingual Authorization
- Reading and Literacy Leadership Specialist Credential
- Reading and Literacy Added Authorization
- Administrative Services
- Multiple Subject
- Board Certified Behavior Analyst

## Graduate Admissions Policies and Procedures

Applicants for graduate programs are encouraged to contact SOE Admissions for advice and assistance in meeting the admission requirements. In order to continue in any SOE program, admitted candidates must remain in good academic standing and successfully meet requirements.

LMU processes all application submissions through the use of a cloud-based software service. When a prospective applicant applies to the SOE, the applicant will be prompted to create a user ID. Once the user ID is created, an applicant can review his or her application file and status at any time from a computer or mobile device.

**Non-Degree Status: Applicants seeking admission to the School of Education under non-degree status are not guaranteed admission.**

## Exceptions Admissions Process

Applicants who do not meet minimum admission requirements based on GPA (below 3.0 and above 2.7) or TOEFL/IELTS test scores will be asked to submit additional documentation for admission consideration through the exceptions process. Candidates accepted through the exceptions process will be admitted with additional program requirements.

## Graduate Transfer Credit

School of Education graduate students must submit transfer credit requests at the time of admission to their advisor/program director in order to receive credit toward a degree for graduate-level work taken at other regionally accredited colleges and universities. The request must be in writing with a course syllabus, University Bulletin description, and official transcript for each course they wish to transfer. All transferred course credit requested must have received a grade of at least 3.0 (B). Courses used to satisfy a degree requirement at another college or university cannot be used for transfer credit with the exception of core or prerequisite requirements. Students may request a transfer for up to 6 semester (9 quarter) hours of graduate units. Transfer coursework may not be more than five years old. Transfer credit requests received after admission will not be considered. The Office of the Registrar grants final approval of transfer credit.

## Adding a Second LMU Master of Arts Degree

A student who has earned a Master of Arts degree from the School of Education may apply up to three applicable core courses from that degree toward a second Master of Arts degree with the approval of the program director. The student must successfully complete all other requirements for the second degree.

## Advising

### Orientation

New students are strongly encouraged to attend Student Orientation.

### Academic Advising

Upon admission to the School of Education, students are assigned an academic advisor. The advisor will assist students with course sequencing, enrollment, and monitor their progress toward program completion. Students are advised to schedule a meeting with their academic advisor as soon as possible after admission and consult with their academic advisor regularly on program requirements and registration.

### Professional Advising

Faculty are available to meet with students to discuss professional, career, academic, and educational issues. Students are encouraged to see their program director for professional advisement.

## Technology

The School of Education emphasizes and supports the use of technology throughout its programs. To aid in the integration of technology, the School of Education maintains a computer lab as well as two eClassrooms in University Hall. The lab is available for use by School of Education students and faculty only. Hours are posted at the lab and at the School of Education website (<http://soe.lmu.edu>). There are several general use student computer labs in various locations on campus.

### Basic Technology Skills

All SOE applicants must verify that they are capable of basic technology skills necessary for success in the School of Education.

### Email Accounts

The School of Education will utilize students' LMU email accounts to contact students. Students are responsible for all University communication sent to their LMU email accounts. Students must check this account regularly or forward it to a preferred account. Students should contact the Student Help Desk for information on email and network access accounts.

### LiveText

LiveText is web-based software used by students to complete fieldwork and course assignments. All undergraduate, Masters, Education Specialist, credential, and certificate students enrolled in the School of Education are required to purchase and utilize LiveText. An ePortfolio fee is assessed to each student at the beginning of their first semester of enrollment. The fee covers a five-year subscription for LiveText.

## Grading

### Credit/No Credit (CR/NC)

A number of courses in the School of Education are offered on a Credit/No Credit basis. Credit indicates a graduate student has earned at least a "B" or an undergraduate student has earned at least a "C" in the course. Certain State-mandated credential courses must be taken for a grade. Instructors should be consulted for clarification.

### **Incomplete (I)**

A grade of Incomplete "I" may be requested by the student to the instructor in extraordinary circumstances and when a candidate has completed a minimum of 80% of the course work. It is the student's responsibility to ensure that all necessary forms are completed and submitted appropriately for any Incomplete grade request. The instructor may not approve the request. Graduate students with more than two Incompletes will be blocked from registration.

### **In Progress (IP)**

In Progress grades are given in fieldwork classes when the academic calendars of the PK-12 school and the University do not align. The In Progress grade indicates that the fieldwork is in progress at the time grades were submitted. An IP grade will be replaced by a grade of CR or NC.

## **Support for Candidates' Development of Academic and Professional Standards**

The School of Education is committed to the development of qualified educators to work in public, private, and Catholic schools. This commitment is made to the candidates, to the students with whom they will work, and to the general public we serve. The faculty strives to enhance each candidate's ability to work effectively with students and families, and to be highly sought by schools and school districts. During the candidate's course of study in the School of Education, the faculty will provide feedback and support to candidates in both their academic and professional development.

### **Academic Development**

When a candidate is not able to meet the minimum academic expectations in a course, the instructor will conduct one-on-one meeting(s) with the candidate to develop a remediation plan. This plan may include, but is not limited to: referral to the program director; tutorials provided by the faculty; support from peers; or a referral to the University's Academic Resource Center. If the candidate is not able to attain the minimum course grade needed for graduation, he/she may retake the course to attain a higher grade with approval from the program director.

All candidates are required to maintain a minimum semester and cumulative GPA of 3.0 during their course of study. Candidates will be placed on academic probation if they fail to meet the minimum GPA. The candidate will be required to meet with the program director, who will monitor the candidate's progress. Students on academic probation must receive a "B" or higher the following semester or be subject to disqualification from the University.

### **Professional (Non-Academic) Development**

The School of Education, the California Commission on Teacher Credentialing and the Council for Accreditation of Educator Preparation have determined that non-academic qualities are necessary for educators to be successful. Non-academic factors include behaviors, dispositions, and attitudes that educators must positively develop and demonstrate. If a candidate fails to meet appropriate professional expectations in class or in field placements, the School of Education will assist with the student's professional development.

Assistance with professional development will take the following steps:

- The instructor will consult with the student and complete the necessary documentation.

- The instructor and program director will work with the student to develop a remediation plan. Assistance may include: specific tutorials provided by any member of the faculty; a referral to LMU Student Psychological Services; or other referrals.
- The instructor, program director, and student will meet with the associate dean if necessary.
- The program director will monitor the student's progress in accordance with the developed remediation plan.

Students who cannot uphold academic or non-academic standards may be disqualified from their program. Students who are disqualified from one program in the School of Education are not eligible for any other program in the School.

## Statement of Professional Dispositions

The School of Education holds four Unit Dispositions that shape the professional expectations for all candidates: "We strive to be, and to educate professionals to be, educators who: **Respect** and value all individuals and communities; **Educate** by integrating theory and practice; **Advocate** for access to a socially just education; and **Lead** in order to facilitate transformation."

## Comprehensive Assessment

All students completing a Master of Arts degree must successfully pass a Comprehensive Examination, complete a Culminating/Capstone Experience, or successfully complete a thesis in their subject area.

## Comprehensive Examination

Students are required to enroll in and receive credit for 6995, Comprehensive Examination, to complete the Master of Arts degree. There is a fee charged to zero-semester-hour courses.

The comprehensive examination is not just a quantitative or cumulative extension of the examination content of all required courses. Rather, it examines a candidate's ability to apply acquired knowledge and experiences to a set of practical problems within the candidate's field of specialization. The comprehensive examination can be written and/or oral. The various Master of Arts degrees have specific requirements as to what type of comprehensive examination or Capstone is required. Students should consult their program director as to the type of comprehensive examination or Capstone required.

## Thesis

Select programs within the School of Education offer a thesis option in place of the comprehensive examination. The course requirement section of each program will indicate whether this option is available. Students in those programs who are interested in this option must meet the thesis guidelines as specified by their program director. In addition to meeting the thesis criteria and guidelines, students in the thesis option must complete EDLA 6950 Advanced Research Methods, EDLA 6951 Advanced Research Design, and EDCE 6955 Master's Thesis I. Continuing course enrollment in EDCE 6956 Master's Thesis II and EDCE 6957 Master's Thesis III may also be required.

## Graduation

A commencement ceremony is held at the end of the Spring term for those degree candidates who are eligible and wish to participate. Please consult the Registrar's website for more detailed information.

## Application for Degree

Degrees are awarded at the end of the Spring, Fall, and Summer II terms. Candidates must submit a formal application for degree to the Office of the Registrar. The deadlines to apply for degree are listed in the University calendar. The degree will not be posted to the candidate's transcript if an application for degree is not submitted. See the Registrar's website for more detailed information.

## **Requirements for Graduation**

1. All requirements for the degree must be met prior to the degree date.
2. The date of the degree posted on the student's transcript and diploma is the one by which all graduation requirements, including the application for degree, have been completed.
3. A 3.0 cumulative GPA must be met prior to the degree date.
4. All incomplete work required for the degree must be completed prior to the degree date.

Failure to comply with these regulations will preclude the granting of a degree. Those who have applied for a degree and do not complete the requirements before the projected date of completion for which they applied are required to reapply in a later semester.

For combined credential and M.A. degree programs, graduation and degree-awarding does not result in automatic credential recommendation. Completion of credential requirements, including a 3.0 GPA in the credential coursework and fulfillment of non-course requirements, are required before recommendations are processed.

## **School of Education Academic Awards**

The School of Education will name an Outstanding Student for each graduate degree and undergraduate program, with the exception of the Doctoral program. The recipient must be a student graduating in the current academic year. The candidates for these awards are nominated and voted upon by faculty in recognition of the graduate's academic, personal, and professional qualities that best exemplify the mission and goals of the School of Education.

## **Credential Application Process**

The California Commission on Teacher Credentialing issues credentials upon the recommendation of the School of Education.

A credential application must be submitted to the School of Education Credential Office at the completion of the candidate's credential program requirements. See the School of Education credential section of the website at <http://soe.lmu.edu> for detailed information on the credential application process. A 3.0 GPA in the credential program coursework and fulfillment of non-course requirements is required for credential recommendations.

## **Student Records and Materials**

All materials submitted to the School of Education are property of the School of Education and will not be returned to the student. Students are advised to make copies of all materials submitted for their records.

## **School of Education Centers**

In addition to the academic departments that house the programs identified below, the School of Education has developed several centers to further our commitment to, and work in, teaching, research, and community advocacy/support: Center for Catholic Education, Center for Equity for English Learners, and Center for Undergraduate Teacher Preparation.

# Center for Catholic Education

## Contact Information

**Executive Director:** Rosemarie Nassif, SSND, Ph.D.

**Phone:** 310.568.6614

**Location:** University Hall 1760

Catholic schools are an integral part of the educational systems of urban centers across the United States, serving as pillars for many communities, particularly in economically disadvantaged areas. In Los Angeles, more than 80,000 children and their families rely on these schools to provide the moral, spiritual and intellectual underpinnings that have enabled so many Catholic school graduates to become productive, socially conscious adults.

But these schools are facing significant challenges. Enrollment in Catholic schools has declined 12 percent nationally in the last decade. Many schools are struggling financially. Catholic school systems are in need of professional development for teachers and administrators, along with research into the most effective approaches to running the schools and educating increasingly diverse student bodies.

With the Center for Catholic Education, the LMU School of Education is positioned to assist the Archdiocese of Los Angeles, the Dioceses of Orange and San Bernardino, as well as Catholic school systems across the country, in ensuring that the rich tradition of Catholic education endures and grows. The CCE brings together a broad range of successful programs at SOE to advance PK-12 Catholic education by training school leaders and teachers, increasing awareness of Catholic schools' impact on communities, and developing innovative ways to support Catholic schools. The Center for Catholic Education will serve as an anchor for Catholic schools in Los Angeles and nationally so that the rich tradition of Catholic education continues to shape morally and socially conscious men and women.

The Center for Catholic Education is committed to leadership development, teacher preparation, research, and outreach.

# Center for Equity for English Learners

## Contact Information

**Executive Director:** Magaly Lavadenz

**Associate Director:** Elvira G. Armas

**Telephone:** 310.338.2924

**Center Location:** University Hall 1300

The Center for Equity for English Learners (CEEL) was established in 2006, with support from Bank of America, for the purpose of improving educational outcomes of English Learners (ELs). The Center's research and professional development agendas will inform leadership and instructional practices for the state's 1.5 million English Learners and the nation's 3.5 million English Learners. CEEL's mission is to pursue equity and excellence in the education of English Learners by transforming schools and educational systems through CEEL's research and professional development agendas. An integral component of this work is the development of advocacy-oriented leadership. Educators who utilize students' cultural and language resources while developing students' academic competencies have the potential to significantly transform schools and educational systems.

# Center for Undergraduate Teacher Preparation

## Contact Information

**Senior Director:** Annette Pijuan Hernandez

**Telephone:** 310.258.8806

**Center Location:** University Hall 3407

The Center for Undergraduate Teacher Preparation is a vibrant community that draws together all who are interested in education in ways that encourage them to be engaged learners, critical thinkers, and socially responsible citizens. The Center provides matriculation-to-graduation advising and other academic and professional support to undergraduate students preparing for careers in K-12 teaching. The Center also serves as a resource for faculty and staff who provide instruction and other services in LMU's undergraduate teacher preparation programs. Undergraduate students completing a program supported by the Center will achieve both a major in their chosen discipline, as well as fulfill the requirements set forth by the California Commission on Teacher Credentialing for a preliminary teaching credential within their time at LMU.

The Center supports a number of undergraduate programs that integrate the major with teacher preparation requirements. These teacher preparation programs can lead to attaining a preliminary multiple subjects (elementary), single subject (secondary), or special education credential. A bilingual authorization is also attainable with the multiple or single subject credentials. These programs are directed by faculty and located in several departments throughout the university and include:

## Bellarmino College of Liberal Arts

Liberal Studies (Elementary Education)

English

Social Science (History and Political Science)

Spanish

## College of Communication and Fine Arts

Art

## Frank R. Seaver College of Science and Engineering

Biology

Chemistry

Math

## School of Education

Elementary Education (Preliminary Multiple Subjects Credential, K-5)

Secondary Education (Preliminary Single Subjects Credential, 6-12)

Bilingual Authorization (Added to the Preliminary Multiple or Single Subject Credentials)

Special Education (Education Specialist Credential: Mild/Moderate Disabilities, K-12)

# Educational Leadership

## Faculty

Chairperson: Elizabeth Reilly

Professors: Antonia Darder (Leavey Presidential Endowed Chair), Magaly Lavadenz, Martha McCarthy (Presidential Professor), Mary K. McCullough (Associate Dean and Professor), William Perez, Elizabeth Reilly, David Sapp

Associate Professors: Franca Dell'Olio, Karen K. Huchting, Elizabeth Stoddard

Assistant Professor: Kyo Yamashiro

Clinical Professor: Jill Bickett

Clinical Associate Professors: Lauren Casella, Manuel N. Ponce Jr., Sr. Mary Angela Shaughnessy, SCN, Rebecca Stephenson

Affiliated Faculty: Elvira Armas, Dana Coleman, Maurice Ghyselis, Gisela O'Brien

## Contact Information

**Location:** University Hall, Suite 2300

**Telephone:** 310.258.8748

**Fax:** 310.338.1647

**Program Coordinator:** Leslie M. Blancarte

**Email:** Leslie.Blancarte@lmu.edu

## Introduction

Our programs are designed to provide new and experienced educators and administrators with the tools, theories, and experiences needed to succeed in transforming educational settings into inclusive and equitable learning environments. Combining theory with practice, our program curriculums provide candidates with a better understanding of the complex issues impacting education and student achievement, and prepares graduates as change agents.

## Certificate

### Catholic School Administration Certificate

#### Contact Information

**Program Director:** Lauren R. Casella

**Academic Advisor:** Danielle West

## Introduction/Overview

The Certificate in Catholic School Administration (CCSA) is a 10-semester-hour graduate program designed to provide a full year of content in mission-focused, organizational, and instructional leadership. The CCSA supports those educators interested in Catholic school administration and need a concentrated education in the distinctive mission and operations of Catholic schools. The overall objective of this certificate program is to educate, prepare, and form prospective and novice Catholic school leaders in effective Catholic school administration and leadership. Candidates receive a rigorous curriculum that includes Catholic school history, mission, law, ethics, budget, finance, operations, marketing, fundraising, admissions, personnel management, curriculum, and instruction. The four pillars of adult Catholic spirituality, technology, inclusion, and the development of a professional learning community give the foundation for each of the four courses of the program. The CCSA Program is offered in two modalities: a hybrid model for the local cohorts and an online model for the national cohort.

## Program Outcomes

As a result of this program, candidates will:

- Practice critical reflection and contemplative practice that is grounded in a Catholic worldview and rooted in a well-formed Catholic identity
- Identify, develop, and articulate a clear and purposeful vision for integrating a positive Catholic culture, environment, and curriculum that is rooted in a school-wide mission and vision statement consistent with Catholic faith and religious values
- Examine and appraise Catholic school governance structures and transformational leadership models that provide direction, authority, and leadership in Catholic education
- Articulate an intellectually rigorous program of education infused with the Catholic faith and traditions that promotes student academic success and spiritual formation, fosters teacher professional growth, and emphasizes a culture of continuous improvement
- Identify, develop, and articulate a clear and purposeful vision of operational vitality through sustainable financial planning, human resource/personnel management, facilities maintenance and enhancement, contemporary communication practice, and institutional advancement strategies

## Program Admission Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
  - One must be from applicant's employer
- Verification of Employment Form
- Technology Requirement Form
- Professional Resume
- 2 sealed, official transcripts for all colleges and/or universities attended
- Catholic School Program Contract/Agreement
- Local Cohort applicants must provide a signed Title II Compliance form
- National Online Cohort applicants must apply through the Catholic Extension Society
- A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations

- TOEFL or IELTS minimum score

## Certificate Requirements

### Required Courses

- EDLA 6420 An Invitation to Lead *1 semester hours*
- EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education *3 semester hours*
- EDLA 6431 Organizational Leadership in Catholic Education *3 semester hours*
- EDLA 6432 Instructional Leadership in Catholic Education *3 semester hours*

Total: 10 semester hours

### Additional Requirement

- Maintain a minimum overall GPA of 3.0 (B or better in all courses)

## Charter School Leadership Certificate (Online)

### Contact Information

Program Director: Manuel Ponce

Academic Advisor: Danielle West

### Introduction/Overview

The fully online Certificate in Charter School Leadership Program is designed to equip candidates with the skills, knowledge, and dispositions needed to serve as educational leaders in California. The Program is rooted in the rationale that twenty-first century leaders require knowledge and skills in the following areas: systemic reform; reflective practice; ethical, moral, and collaborative decision-making; diversity and inclusion; critical inquiry; advocacy for technology and is accessibility to all stakeholders; transformative leadership; and assessment/research.

### Program Outcomes

As a result of this program, candidates will:

- Demonstrate the skills, knowledge, and dispositions to serve as an Educational Leader in California with an emphasis on the specific needs of charter school leaders
- Articulate a vision for instructional leadership that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Language Learners, and the parent-school relationship
- Develop an understanding of the financial and operational aspects of charter school leadership
- Demonstrate their understanding of the fundamental aspects of charter school leadership and operations through the construction of a charter school petition

### Admission Requirements

- Graduate Application
- 2 Letters of Recommendation
  - One letter must be from applicant's employer
- 2 sealed official transcripts
- Resume
- Charter Schools Program Agreement
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss implications of these for leadership and how they intersect with your personal leadership in your current school setting, as well as in future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Certificate Requirements

### Required Coursework

- EDLA 6101 Foundations of Charter School Leadership: Vision of Learning for Diverse Students, Families, Staff, and Community *3 semester hours*
- EDLA 6102 Charter School Instructional Leadership: Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community *3 semester hours*
- EDLA 6103 Specialized Charter School Leadership Preparation with Petition Writing Lab *4 semester hours*

Total: 10 semester hours

### Additional Program Requirements

- Petition Writing Lab
- Charter School Petition Culminating Project

## Charter/Small School Leadership Certificate

### Contact Information

**Program Director:** Manuel Ponce

**Academic Advisor:** Danielle West

### Introduction/Overview

The Certificate in Charter/Small School Leadership consists of 11 semester hours (3 classes) in one academic year. Designed for those who already have a general background in educational leadership, are already leading in a charter school, or an innovator

who wants to explore creating their own school, this Certificate provides candidates with cutting-edge research, as well as with the practical skills they need to succeed in innovative charter school and small school settings.

## Program Outcomes

As a result of this program, candidates will:

- Demonstrate the skills, knowledge, and dispositions to serve as an Educational Leader in California with an emphasis on the specific needs of charter school leaders
- Articulate a vision for instructional leadership that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Language Learners, and the parent-school relationship
- Develop an understanding of the financial and operational aspects of charter school leadership
- Demonstrate their understanding of the fundamental aspects of charter school leadership and operations through the construction of a charter school petition

## Program Admission Requirements

- Graduate Application
- 2 Letters of Recommendation
  - One letter must be from applicant's employer
- 2 sealed official transcripts
- Resume
- Charter Schools Program Agreement
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss implications of these for leadership and how they intersect with your personal leadership in your current school setting, as well as in future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Certificate Requirements

### Required Coursework

- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*

Total: 11 semester hours

### Additional Requirement

- Charter School Petition Culminating Project

## Credential

# Preliminary Administrative Services Credential

## Contact Information

**Program Director:** Manuel Ponce, Jr.

**Academic Advisor:** Danielle West

## Introduction/Overview

This program is for any educators who are interested in furthering their understanding of educational leadership to acquire the skills and dispositions needed to lead schools effectively. LMU's Preliminary Administrative Services Credential (Tier I) program is specifically designed to prepare candidates for administration positions in public, private, charter, and Catholic schools. The Preliminary Administrative Services Credential is a requirement in many districts as well as for many higher-level district positions. All LMU School of Education credential programs meet the California State requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

The Preliminary Administrative Services Credential is a completely online program.

## Program Outcomes

Through the study of relevant leadership theory and participation in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in practical settings, candidates will:

- Acquire the skills, knowledge, and dispositions to serve as an Education Leader in California
- Demonstrate the ability to be moral and ethical leaders for social justice who respect differences, value reflective practice, understand change facilitation, build learning communities, and work effectively in diverse settings
- Identify, develop, and articulate a clear and purposeful vision for leadership that enables an environment that inspires a shared vision and enlists the active participation of all stakeholders
- Develop an understanding and a theory of action regarding the political, financial, legal, and operational aspects of school leadership through investigation of leadership theory
- Develop a vision for instructional leadership and a theory of action that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Learners, and the parent-school relationship

## Program Admission Requirements

- Graduate Application
- 2 Letters of recommendation

- One from applicant's school principal
- Verification of prior teaching experience
- Verification of employment
- Resume
- 2 sealed official transcripts from each college/university attended
- CBEST passing scores (or equivalent)
- Copy of valid teaching and/or service credential
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss its implications for leadership and how it intersects with your personal leadership in your current school setting, as well as future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

## Credential Requirements

### Program Requirements/Credential Requirements

- A minimum of five years of experience working under a valid California base credential (such as teaching, Pupil Personnel Services) in addition to satisfactorily completing all program requirements is required to apply for the Preliminary Administrative Services Credential.
- A clear California Base credential is needed before applying. For this reason, it is recommended that eligible applicants have at least three years of experience at the time of applying.
- Individuals must satisfy all of the following requirements in addition to their program of study in order to be eligible for credential recommendation:
  - Possess a valid prerequisite credential.
  - Complete a Commission-approved program of specialized and professional preparation in administrative services resulting in the formal recommendation of the program sponsor (LMU's Preliminary Administrative Services Credential Program)
  - Satisfy the California basic skills requirement.
  - Complete five years of full-time experience.
  - Verify employment in an administrative position.
  - Satisfy the requirements of the California Administrative Performance Assessment
    - A passing score on each of the three cycles of the assessment

## Required Coursework

- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*

- EDLA 6427 Advocacy from a Legal Perspective 3 *semester hours*
- EDLA 6428 Business of Education 3 *semester hours*
- EDLA 6441 Fieldwork/CalAPA Cycle 1 0 *semester hours*
- EDLA 6442 Fieldwork/CalAPA Cycle 2 0 *semester hours*
- EDLA 6443 Fieldwork/CalAPA Cycle 3 0 *semester hours*

Total: 18 semester hours

## Doctorate

### Educational Leadership for Social Justice, Ed.D.

#### Contact Information

**Interim Program Director:** William D. Parham

**Associate Director:** Karen Huchting

#### Introduction/Overview

The Ed.D. in Educational Leadership for Social Justice is an innovative three-year cohort program whose vision is a more socially just future for schools and other educational and community settings. Offered in both a face-to-face and fully online format, the Ed.D. program provides experienced educators and community leaders with the tools, theories, and experiences needed to succeed in transforming educational settings into inclusive and equitable learning environments. Combining theory with practice, the curriculum provides candidates with a better understanding of the complex issues impacting education and student achievement, and prepares graduates as change agents.

#### Program Outcomes

As a result of this program, candidates will:

- Analyze the economic, political, legal, and sociocultural context of education
- Engage in inquiry and research to promote inclusive excellence in education and/or society
- Articulate how theory and research influence the development of personal leadership practice
- Advocate for the transformation of educational and community settings into just and equitable learning environments

#### Program Admission Requirements

- Graduate Application
- GRE test scores
- Statement of Purpose (two to four pages) following the format described in application guide
- Earned master's degree from an accredited institution
- Official transcripts from all colleges/universities attended (one copy)
- GPA of 3.0 (4.0 scale) in undergraduate coursework

- GPA of 3.5 (4.0 scale) in master's coursework
- Transferability of 20 graduate-level semester units in a related field, which includes verified content in research methods and diversity
- Current résumé
- Two letters of recommendation
- Minimum of two years of full-time educational leadership experience in Pk-12 schools, higher education, nonprofit, or community organizations, or other education setting
- Select applicants will be invited to participate in a group interview with the Doctoral Admissions Committee.
- Applicants who have taken doctoral level coursework at another accredited university may request a transcript audit and admission to an individualized course of study leading to the Ed.D. in Educational Leadership for Social Justice. Candidates must meet the admission requirements. If accepted, candidates must complete the required tutorials, research seminars, and culminating experience.

## Degree Requirements

Students must pass all required coursework (46 semester hours; 20 units are transferred from Masters coursework for a total of 66 units), pass all program benchmarks, complete pre-publication review, and publish on ProQuest.

## Required Coursework

- EDLA 7001 Leadership for Social Justice in Education *3 semester hours*
- EDLA 7002 Moral and Ethical Leadership *3 semester hours*
- EDLA 7004 Organizational Theory and Change *3 semester hours*
- EDLA 7005 Educational Change and Innovation *3 semester hours*
- EDLA 7020 Situated Inquiry in Education *3 semester hours*
- EDLA 7021 Quantitative Research in Education *3 semester hours*
- EDLA 7022 Qualitative Research in Education *3 semester hours*
- EDLA 7023 Doctoral Colloquia *2 semester hours*
- EDLA 7042 Management of Fiscal/Human Capital *3 semester hours*
- EDLA 7043 Legal and Policy Issues in Education *3 semester hours*
- EDLA 7045 Transformational Leadership for Student Achievement *3 semester hours*
- EDLA 7049 Research Seminar *2 semester hours*
- EDLA 7940 Preliminary Review Design *1 semester hours*
- EDLA 7950 Dissertation Proposal Design *2 semester hours*

Candidates select one of the following content specific courses:

- EDLA 7040 Context and Current Topics in Public Education *3 semester hours*
- EDLA 7060 Context and Current Topics in Private Education *3 semester hours*

## Dissertation

Candidates complete at least 8 semester hours of dissertation coursework, including:

- EDLA 7951 Dissertation Seminar I *2 semester hours*
- EDLA 7952 Dissertation Seminar II *2 semester hours*
- EDLA 7953 Doctoral Seminar I *2 semester hours*

- EDLA 7954 Doctoral Seminar II *2 semester hours*

### Note:

\*EDLA 7954 is only required if a candidate does not successfully defend his/her dissertation by the end of Spring semester of his/her third year. Candidates must register for EDLA 7954 each semester (except Summer Session II) until the dissertation is signed off by the chair.

Total: 46 semester hours (20 units transferred from Masters coursework for a total of 66 units)

### Additional Requirements

- Benchmark #1: Preliminary Review
- Benchmark #2: Dissertation Proposal Defense, Institutional Review Board Approval (as needed), and Advancement to Candidacy
- Benchmark #3: Dissertation Defense

## Masters

# Catholic School Administration, M.A. - Not Admitting At This Time

## Contact Information

**Program Director:** Lauren R. Casella

**Academic Advisor:** Danielle West

## Introduction/Overview

This unique and successful educational program, offered by LMU's Department of Educational Leadership and Administration (EDLA), provides professional development that is specific to the Catholic school administration context. The two-and-a-half year, 31-unit program Master's Degree in Catholic School Administration is designed to address four major themes in Catholic school administration; mission-focused leadership; faith and spiritual leadership; operational management; and instructional leadership. The integration of faith and professional practice is made relevant through practical experiences that prepare candidates to grow as Catholic school leaders through project based learning strategies. Candidates learn that assessment, accountability, and transparency can serve well the mission, vision, and learning outcomes of every Catholic school.

## Program Outcomes

As a result of this program, candidates will:

- Apply foundational information on Catholic schools to current trends, policy issues, and educational practices through regular reflective experiences

- Enhance leadership skills in working collaboratively through activities designed to foster a professional learning community of faith
- Lead the faculty, students, and parents in a professional learning community of faith formed in the teachings and traditions of the Catholic Church and dedicated to social justice

## Program Admission Requirements

- Applicants must have successfully completed the 10 semester hours of the Certificate in Catholic School Administration as a prerequisite for admission to the Master's degree in Catholic School Administration. The 10 semester hours of the Catholic School Leadership Certificate program will be applied toward the 31 semester hours required for completion of the Master's degree in Catholic School Administration.
- Application form

## Degree Requirements

### Required Coursework

All Certificate program courses:

- EDLA 6420 An Invitation to Lead *1 semester hours*
- EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education *3 semester hours*
- EDLA 6431 Organizational Leadership in Catholic Education *3 semester hours*
- EDLA 6432 Instructional Leadership in Catholic Education *3 semester hours*

Total Certificate: 10 semester hours

Courses after completion of Certificate:

- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*
- EDLA 6424 Organizational Management for Student Learning *3 semester hours*
- EDLA 6433 Visions of Learning *3 semester hours*
- EDLA 6434 Student Learning and Professional Growth *3 semester hours*
- EDLA 6435 Transforming Organizations *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*

Total Additional MA: 21 semester hours

Total: 31 semester hours

### Additional Degree Requirements

- Capstone Culminating Oral Presentation

## Higher Education Administration, M.A.

## Contact Information

**Program Director:** Elizabeth Stoddard

**Academic Advisor:** Danielle West

## Introduction/Overview

The M.A. in Higher Education Administration guides candidates in becoming scholarly, reflective, and transformative higher education leaders. The program prepares candidates to be justice-oriented administrators in all divisions and all sectors of higher education. The program recognizes the contributions and nuances of serving in two- and four-year, private and public, and religiously affiliated post-secondary institutions.

## Program Outcomes

As a result of this program, candidates will:

- Articulate the historical and current role of higher education in American society
- Describe organizational and governance structures in American higher education
- Employ critical reflection skills when analyzing data and problem solving
- Articulate informed viewpoints on current higher education issues
- Articulate and value the experiences of postsecondary students, faculty, and staff from underrepresented groups
- Work to support the success of all postsecondary students
- Demonstrate basic administrative competencies such as planning, budgeting, and assessment
- Demonstrate knowledge of higher education legal and ethical issues
- Understand, evaluate, and adapt developmental, organizational, and leadership theories to their practice

## Admission Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from each college/university attended
- Resume
- Bachelor's degree conferred official transcripts
- Two letters of recommendation
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Statement of Intent:
  - 3-4 pages, double-spaced, 12 point font
  - Addressing the following:
    - How have your life and professional experiences informed your decision to pursue a graduate degree in higher education?
    - Why do you want to study in the LMU higher education program?
    - What leadership and academic qualities will you bring to the higher education program?
    - What leadership and/or academic qualities need further development?
    - How will you contribute to the mission of the LMU School of Education?
    - What are your future goals/plans as they relate to higher education leadership?

## Degree Requirements

### Required Coursework

- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDLA 6710 Leadership in Higher Education I *3 semester hours*
- EDLA 6711 Foundations of Higher Education *3 semester hours*
- EDLA 6712 Organization and Administration in Higher Education *3 semester hours*
- EDLA 6713 Theories of College Student Development *3 semester hours*
- EDLA 6714 Leadership in Catholic Higher Education *2 semester hours*
- EDLA 6715 Community College Leadership *2 semester hours*
- EDLA 6720 Fieldwork in Higher Education *3 semester hours*
- EDLA 6721 Higher Education Law and Public Policy *3 semester hours*
- EDLA 6722 Resource Management in Higher Education *3 semester hours*
- EDLA 6723 Leadership in Higher Education II *3 semester hours*
- EDLA 6995 Comprehensive Examination *0 semester hours*

Total: 31 semester hours

## School Administration, M.A.

### Contact Information

**Program Director:** Manuel Ponce, Jr.

**Academic Advisor:** Danielle West

### Introduction

This program is for any educators who are interested in furthering their understanding of educational leadership to acquire the skills and dispositions needed to lead schools effectively.

Based on academic and professional background and career goals, the M.A. may be taken as a stand-alone program, be combined with the Charter School Leadership Certificate program, or (for applicants who hold a valid California base credential and have a minimum of three years full-time experience with that credential) be combined with the Preliminary CA Administrative Services (Tier I) Credential program. The requirements outlined below are for the standalone program only.

### Program Outcomes

Through the study of relevant leadership theory and participation in residency/fieldwork experiences designed to facilitate the application of theoretical concepts in a practical setting, candidates will:

- Acquire the skills, knowledge, and dispositions to serve as an Educational Leader in California
- Demonstrate the ability to be moral and ethical leaders for social justice who respect differences, value reflective practice, understand change facilitation, build learning communities, and work effectively in diverse settings
- Identify, develop, and articulate a clear and purposeful vision for leadership that enables an environment that inspires a shared vision and enlists the active participation of all stakeholders

- Develop an understanding and a theory of action regarding the political, financial, legal, and operational aspects of school leadership through investigation of leadership theory
- Develop a vision for instructional leadership and a theory of action that includes a strong emphasis on cultural and linguistic diversity, special education, the successful development of English Learners, and the parent-school relationship

## Program Admission Requirements

- Graduate Application
- 2 Letters of Recommendation
  - One letter must be from employer
- Resume
- 2 sealed, official transcripts from each college/university attended
- Bachelor's degree
- Statement of Intent addressing:
  - Applicant's understanding of diversity, social justice, and student achievement. Discuss its implications for leadership and how it intersects with your personal leadership in your current school setting, as well as future administrative leadership roles.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Degree Requirements

### Required Coursework

- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDLA 6421 Vision of Learning for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6422 Responding to Diversity: Access, Equity, and Educational Opportunity *3 semester hours*
- EDLA 6423 Student Learning and Professional Growth for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6425 Transforming Organizations for Diverse Students, Families, Staff, and Community and Residency/Fieldwork Component *3 semester hours*
- EDLA 6426 Instructional Technology for School Leaders *2 semester hours*
- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*

In addition to the courses listed above, candidate must take two out of the three electives listed below:

- EDLA 6429 Specializing in Charter Schools *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*

Total: 32 semester hours

## Degree Benchmarks

- Capstone Oral Examination

# Specialized Programs in Professional Psychology

## Faculty

Chairperson: Terese C. Aceves

Professors: Terese C. Aceves, Sheri A. Atwater, Emily S. Fisher, Brian P. Leung, William D. Parham

Associate Professor: Fernando Estrada

Affiliate Faculty: Catherine M. Foote

## Contact Information

**Location:** University Hall, Suite 1500

**Telephone:** 310.568.6854

**Fax:** 310.568.6640

**Senior Administrative Coordinator:** Cheryl Wawrzaszek

## Introduction

The programs in the Department of Specialized Programs in Professional Psychology (EDSP) are designed intentionally to prepare graduates to assume professional roles as counselors, school psychologists, certified behavior analysts, and community mental health practitioners, in a variety of settings including K-12 public, private and charter schools, colleges and universities and private non-profit organizations. Each program offers a rigorous academic curriculum and experiential learning components the combination of which makes for a well-trained professional able to work with students, colleagues, administrators, community populations, and civic leaders. The faculty in the Department of Specialized Programs in Professional Psychology is known for their excellent teaching, respected scholarship, and dedication to serving others. The learning community co-created by the department faculty and students is one from which everyone benefits. In short, graduates of each program within the Department of Specialized Programs in Professional Psychology come to understand and appreciate the complex 21st century issues and challenges that frame the local, regional and national landscape of education.

## Certificate

### Board Certified Behavioral Analyst Certificate Program (BCBA)

Note: Not admitting at this time.

## Contact Information

Program Director: Melinda Docter

Associate Director: Catherine M. Foote

## Introduction/Overview

The curriculum for the Board-Certified Behavior Analyst Certificate Program (BCBA) will follow the guidelines established by the Behavior Analysts Certification Board (BACB) as outlined in the BACB's Fourth and Fifth Edition Task Lists and Course Content Allocation documents. There is a significant need in the schools for well-trained and properly certified individuals to work with students with challenging behaviors (e.g., students with autism). Individuals who are certified at the BCBA level are practitioners who provide behavior management services, at home and at school, to students, families, and schools. The LMU-BCBA is a 4-term (18-month long), 7-course graduate-level certification program in behavior analysis. This has increased from 6 to 7 courses to comply with the new BACB requirements implemented for January 2022. While this program provides the preparation to take the BCBA National Exam and receive your BCBA, you will need to fulfill 1,500 (2,000 if you apply for the exam after January 2022) clinical hours prior to the exam to fulfill the Behavior Analysis Certification Board's (BACB) requirements to sit for the exam; therefore, you will not receive a BCBA at the completion of this course sequence unless you complete the additional requirements identified by the BACB. The program faculty hold current BCBA certification. **This is a fully online program.**

## Program Outcomes

As a result of this program, candidates will:

- Identify and apply principles and concepts of Applied Behavior Analysis
- Conduct and analyze a Functional Behavior Assessment
- Design behavior intervention strategies and behavior change programs based on theoretical foundations and principles of Applied Behavior Analysis and Functional Behavior Analysis data
- Evaluate behavior intervention strategies and behavior change programs based on theoretical foundations and principles of Applied Behavior Analysis
- Understand limitations of behavior intervention strategies and behavior change programs based on theoretical foundations and principles of Applied Behavior Analysis
- Identify ethical challenges in behavior analytic application and apply to the Behavior Analysis Certification Board (BACB) Ethical Code of Conduct to those situations

## Program Admissions Requirements

- Graduate Application
- 3 Letters of Recommendation attesting to academic and personal qualifications
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Master's degree in either Education, Psychology or Applied Behavior Analysis and conferral from an accredited institution must be verified on transcript
- Technology Form
- Statement of Intent addressing:
  - Background and interest in the field;
  - Previous work experience with students and adults with behavior challenges, including but not limited to, those with a diagnosis of ASD;

- An understanding and the implicit agreement with the LMU Mission Statement and SOE Conceptual Framework (REAL)
- A cumulative GPA of 3.0, or a 3.05 in the last 60 graduate-level courses
- For applicants who completed a graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

## Degree Requirements

### Required Coursework

- EDSP 5500 Concepts and Principles of Applied Behavior Analysis *3 semester hours*
- EDSP 5600 Philosophical Assumptions of Applied Behavior Analysis *3 semester hours*
- EDSP 5501 Behavior Assessment and Measurement *3 semester hours*
- EDSP 5502 Behavior Change I: Reinforcement, Stimulus Control, Teaching New Behaviors and Supervision *3 semester hours*
- EDSP 5503 Behavior Change II: Verbal Behavior, Preventing and Reducing Unwanted Behaviors, and Supervision *3 semester hours*
- EDSP 5504 Experimental Design and Data Interpretation *3 semester hours*
- EDSP 5505 Ethical Compliance and Professionalism *3 semester hours*

Total Semester Hours: 21

## Child Welfare Attendance Supplemental Authorization Certification (CWA)

### Contact Information

**Program Director:** Sheri A. Atwater

**CWA Fieldwork Liaison:** Esther Gobrial

**Associate Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

### Introduction

The Child Welfare Attendance Add-On authorization is recognized by the State of California, Commission on Teacher Credentialing (CCTC), as a program option for P.P.S. credential-held practitioners in School Counseling, School Psychology, or School Social Work. Practitioners who hold a valid P.P.S. Credential with an Option in School Counseling/School Psychology/School Social Work and CWA provide child welfare attendance and related services in addition to their main role or function within a school district.

### Program Outcomes

As a result of this training program, students will:

- Know state laws applicable to Child Welfare and Attendance
- Design prevention and intervention strategies for addressing child welfare and truancy in order to reduce student barriers to learning
- Evaluate the effectiveness of prevention and intervention strategies for addressing child welfare and attendance issues
- Value and understand strengths of prevention and intervention strategies for addressing child welfare and attendance issues
- Understand limitations, including contextual and societal barriers, of prevention and intervention strategies for addressing child welfare and attendance issues
- Value using prevention and intervention strategies to benefit students, their families and community

## Program Admissions Requirements

- Applicants must either be currently enrolled in one of our two LMU PPS (School Counseling or School Psychology) programs, currently enrolled in fieldwork courses for the PPS credential at a regionally accredited institution, or already possess a valid PPS credential.
- A minimum graduate GPA of 3.0 and previous experience with students in schools, and an understanding and implicit agreement with the LMU mission and SOE Conceptual Framework
- All applicants are required to submit a personal statement addressing their background and interest in the field, official transcripts, a copy of their current, valid PPS credential (if a PPS credential holder), and two letters of recommendation attesting to their academic and personal qualifications for success in this graduate program.

## Program Requirements

### Additional Requirements

- To "add on" this optional CWA authorization to their existing P.P.S. credential, all candidates will be required to take the CWA coursework over the span of 1-2 semesters while concurrently enrolled in their culminating Fieldwork PPS school placement or (if a PPS credential holder) currently employed as a school counselor/psychologist/social worker in a local school district. While enrolled in PPS Fieldwork (6 semester hours over 2 semesters), students are allowed to take one additional course (3 semester hours) per semester; thus, current LMU students would be advised to take the first 3-semester-hour content course for CWA during FW 1; and the other during FW 2, IF they opt to gain this added authorization.
- Students will not be advised or allowed to take a semester "off" from their degree program in order to complete this supplemental authorization, as it is dependent upon concurrent enrollment in their PPS Fieldwork courses (or current employment in a school district in a PPS position as a school counselor, administrator, psychologist, or social worker if a valid credential holder). The CWA Program is not a substitute for the students' regular program but in addition to it; it is their choice to take this additional coursework in order to improve job opportunities in the field.

### Required Coursework

- EDSP 5303 Foundations in Child Welfare and Attendance *3 semester hours*
- EDSP 5304 School Attendance Improvement and Truancy Remediation: Prevention and Intervention *3 semester hours*
- EDSP 5305 CWA Fieldwork and Supervision *3 semester hours*

Total: 9 semester hours

## Education Specialist

# School Psychology, Ed.S. with Educational Psychology, M.A. and Pupil Personnel Services Credential, P.P.S.

## Contact Information

**Program Director:** Brian P. Leung

**Associate Director:** Catherine M. Foote

**Academic Advisor:** Danielle West

## Introduction

The LMU School Psychology program is approved by both the California Commission for Teacher Credentialing (CCTC) and the National Association for School Psychology (NASP) accrediting agencies. Program content is informed by the School of Education Conceptual Framework, and social justice is a strong emphasis of the program. Almost all courses have service learning assignments in which candidates learn and serve in schools and in the greater community. Field placements in the schools are required during year two (practicum) and year three (internship). Passing the Praxis exam in School Psychology at the program cutoff score (147) is required for graduation. This is also the national cutoff score that will result in candidates becoming Nationally Certified School Psychologists (NCSP). After two years in the schools, program graduates will qualify to sit for the Licensed Educational Psychologist (LEP) exam administered by the California Board of Behavioral Sciences. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this training program, students will:

- Provide a comprehensive range of services to schools
- Practice with culturally relevant and responsive practice to help close the achievement gap among various diverse student groups
- Be lifelong learners and always mindful of service to others

## Program Admissions Requirements

- Graduate Application
- An undergraduate major or minor in Psychology, or major in a closely related field (e.g., child development, education) is required for admission. Applicants whose undergraduate major is other than psychology may apply but are required to have completed 18 selected undergraduate semester hours (6 courses) in psychology before beginning the program.
- 3 Letters of Recommendation
  - 1 must be from either:
    - A practicing School Psychologist, OR
    - Director of Psychological Services, OR
    - Director of Pupil Personnel Services, OR

- Licensed psychologist familiar with the role of a School Psychologist.
- 2 sealed, official transcripts from all colleges/universities attended
- Original GRE score report
- Technology Requirement Form
- CCTC Certificate of Clearance (COC)
- A cumulative undergraduate GPA of 3.0, or a 3.05 in your last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- CBEST by the end of the first fall semester
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)
- Statement of Intent, addressing:
  - Why you want to be a school psychologist
  - The characteristics you possess that you feel will make you an effective school psychologist
  - Your commitment to preparing yourself to be an effective school psychologist (e.g., time and effort devoted to an internship, involvement in professional organizations, etc.)
  - A summary of your experience with school-aged children, particularly those from culturally diverse backgrounds and those with disabilities
  - How well your values align with the School of Education's REAL (Respect, Educate, Advocate, Lead) model.

## Degree Requirements--M.A. in Educational Psychology, Ed.S. in School Psychology

### Required Coursework

- EDSP 6500 Foundations of Ethical, Professional, and Legal Practice in School Psychology *3 semester hours*
- EDSP 6504 Statistics, Research Methods, and Program Evaluation *3 semester hours*
- EDSP 6506 Seminar in Counseling and Interpersonal Relations *3 semester hours*
- EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
- EDSP 6510 Seminar in Instruction and Learning *3 semester hours*
- EDSP 6512 Group Counseling and Intervention with Children and Adolescents *3 semester hours*
- EDSP 6513 Advanced Counseling Seminar I *2 semester hours*
- EDSP 6514 Family, School, and Community Collaboration *3 semester hours*
- EDSP 6515 Advanced Counseling Seminar II *2 semester hours*
- EDSP 6516 Seminar in Motivation and Achievement *2 semester hours*
- EDSP 6518 Assessment and Intervention for Cognitive and Learning Problems I *3 semester hours*
- EDSP 6520 Prevention, Intervention, and Consultation *3 semester hours*
- EDSP 6522 Assessment and Intervention for Cognitive and Learning Problems II *3 semester hours*
- EDSP 6524 Practicum in School Psychology I *2 semester hours*
- EDSP 6525 Practicum in School Psychology II *2 semester hours*
- EDSP 6526 Social Responsibility, Violence Prevention, and Crisis Intervention in Schools *3 semester hours*
- EDSP 6528 Social, Emotional, and Behavioral Assessment *3 semester hours*
- EDSP 6530 Treatment of Emotional and Behavioral Disorders in Children and Adolescents *3 semester hours*

Total (M.A./Ed.S.): 49 semester hours

# Credential Requirements--P.P.S. Credential for School Psychology

## Required Coursework

- EDSP 6532 Seminar in School Systems and Psychological Services *3 semester hours*
- EDSP 6534 Advanced Assessment and Positive Behavioral Intervention *3 semester hours*
- EDSP 6536 Special Issues and Best Practices in School Psychological Services *2 semester hours*
- EDSP 6538 Supervised Internship in School Psychology I *3 semester hours*
- EDSP 6540 Supervised Internship in School Psychology II *3 semester hours*
- EDSP 6995 Comprehensive Examination *0 semester hours*

Total (P.P.S.): 14 semester hours

## Additional Requirements:

- Year 2 Portfolio
- Year 3 Portfolio

Total (Combined M.A. Educational Psychology/Ed.S. School Psychology):  
63 semester hours

## Masters

## Counseling, M.A.

### Contact Information

**Program Director:** Sheri A. Atwater

**Associate Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Master of Arts in Counseling program prepares candidates to succeed as a counselor in diverse educational, community, private, and non-profit settings. This is a 60-semester-hour program designed for those who intend to pursue Licensed Professional Clinical Counselor (LPCC) certification. Graduates of the M.A. in Counseling program are eligible to apply to the Board of Behavioral Sciences (BBS) for Associate Professional Clinical Counselor (APCC) status. As an APCC, graduates then complete 3,000 hours of work and pass two national exams to receive LPCC status. There are two specialization options for LPCC eligibility: (1) Clinical Mental Health and (2) School Counseling with Pupil Personnel Services (PPS) Credential.

### Program Outcomes

As a result of this training, students will:

- Apply effective counseling strategies to meet the diverse academic, social, emotional, and career needs of clients
- Counsel clients individually using appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Counsel clients in group settings using group facilitation skills derived from appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Evaluate clients using suitable/pertinent assessment measures based on the purpose of measuring instrument and identified counseling need
- Implement prevention and intervention strategies for diverse clients based on scientific research and program evaluations
- Consult effectively with clients, their families, and support systems; with peers and colleagues; and with appropriate clinical staff in order to improve client functioning
- Exemplify the main dimensions of personal growth and dispositions central to successful counseling, including self-awareness, self-care, and self-reflection
- Exhibit and defend the ethical codes related to the specific field of counseling within which one works (e.g., ACA Code of Ethics, LPCC ethical codes)
- Demonstrate advanced intervention techniques in the areas of addictions, trauma, community psychology, and human sexuality to address the diverse needs of clinical populations

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Bachelor's degree conferral must be verified on transcript
- Technology Form
- CCTC Certificate of Clearance (COC)
- California Basic Education Skills Test (CBEST) official score report
  - For those seeking the School Counseling with Pupil Personnel Services (PPS) Credential specialization option
- Statement of Intent addressing:
  - The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;
  - In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;
  - The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, a time when it is difficult and ill-advised to work full-time, and becoming active in related professional organizations (e.g., CALPCC, CASC, ASCA);
  - The applicant's related work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);
  - The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;
  - A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

## Required Coursework

- EDSP 6362 Counseling Theories and Techniques *3 semester hours*
- EDSP 6365 Research Methodology and Statistics *3 semester hours*
- EDSP 6368 Career Counseling and Educational Planning *3 semester hours*
- EDSP 6376 Crisis and Trauma Counseling *3 semester hours*
- EDSP 6377 Multicultural Counseling *3 semester hours*
- EDSP 6378 Group Counseling *3 semester hours*
- EDSP 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*
- EDSP 6382 Ethical and Legal Issues *3 semester hours*
- EDSP 6386 Culturally Responsive Counseling with Individuals *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDSP 6391 Foundations of Counseling *3 semester hours*
- EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
- EDSP 6392 Psychopharmacology *3 semester hours*
- EDSP 6393 Assessment, Appraisal, and Diagnosis *3 semester hours*
- EDSP 6394 Helping Skills *3 semester hours*
- EDSP 6395 Addictions Counseling: Foundations of Wellness *3 semester hours*
- EDSP 6396 Human Sexuality *3 semester hours*
- EDSP 6400 Community Psychology: Theories and Practice *3 semester hours*
- EDSP 6995 Comprehensive Examination *0 semester hours* (fee based, \$300)
- Fieldwork courses pertaining to the candidate's specialization:

### Clinical Mental Health Specialization:

- EDSP 6940 Fieldwork in Mental Health Counseling I *3 semester hours*
- EDSP 6945 Fieldwork in Mental Health Counseling II *3 semester hours*

### School Counseling Specialization:

- EDSP 6970 Fieldwork in School Counseling I *3 semester hours*
- EDSP 6980 Fieldwork in School Counseling II *3 semester hours*

Total: 60 semester hours

## Additional Requirements

- 100 completed hours of practical experience prior to enrollment in Fieldwork courses
- Candidate Disposition evaluations
  - (1) BY END OF FIRST SEMESTER: **One Self-Assessment Disposition Form AND One Faculty-Assessment Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director no later than the **end of the candidate's first semester in the Program.**
  - (2) BY END OF EDSP 6386 Culturally Responsive Counseling with Individuals: **One Self-Assessment Disposition Form AND One Faculty-Assessment\* Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director upon your completion of EDSP 6386 Culturally Responsive Counseling with Individuals. \*This Faculty Assessment **MUST** be completed by the candidate's EDSP 6386 Instructor.

- Fieldwork I Application form
- Pre-Counseling Documentation Log
- Counseling Organization Membership
- Proof of Liability Insurance with Counseling Organization
- Fieldwork Planning Document
- Approval of Fieldwork Site
  - Candidates seeking the Pupil Personnel Services (PPS) Credential must complete their fieldwork at an approved school site.
- Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:
  - EDSP 6392 Psychopharmacology *3 semester hours*
  - EDSP 6395 Addictions Counseling: Foundations of Wellness *3 semester hours*
  - EDSP 6396 Human Sexuality *3 semester hours*
  - EDSP 6400 Community Psychology: Theories and Practice *3 semester hours*
  - EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
  - Fieldwork courses pertaining to the candidate's specialization:
    - Clinical Mental Health Specialization:
      - EDSP 6940 Fieldwork in Mental Health Counseling I *3 semester hours*
      - EDSP 6945 Fieldwork in Mental Health Counseling II *3 semester hours*
    - School Counseling Specialization:
      - EDSP 6970 Fieldwork in School Counseling I *3 semester hours*
      - EDSP 6980 Fieldwork in School Counseling II *3 semester hours*
- All coursework must be completed within 5 years.

## Guidance and Counseling, M.A.

### Contact Information

**Program Director:** Sheri A. Atwater

**Assistant Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

### Introduction

The Master of Arts in Guidance and Counseling program is a 41-semester-hour program. It is designed for those who want a rigorous graduate Counseling program but are not planning to apply for either the Licensed Professional Clinical Counselor (LPCC) licensure or for the California Pupil Personnel Services (PPS) credential. It is ideal for candidates interested in working in higher education settings in positions such as college counselors or advisors. Should a candidate in this track later wish to pursue the M.A. Counseling degree with one of its associated specializations, most of the coursework taken in the M.A. in Guidance and Counseling program will apply. Please note: Returning to add the PPS credential post-graduation must be done within five (5) years.

### Program Outcomes

As a result of this training program, students will:

- Apply effective counseling strategies to meet the diverse academic, social, emotional, and career needs of students in post-secondary institutions

- Counsel students in post-secondary institutions individually using appropriate theoretical approaches to address students' academic readiness, language proficiency, cultural background, and individual development
- Counsel students in post-secondary institutions in group settings using group facilitation skills and appropriate theoretical approaches to address students' academic readiness, language proficiency, cultural background, and individual development
- Evaluate post-secondary students using suitable/pertinent assessment measures based on the purpose of the measuring instrument and identified counseling need
- Implement prevention and intervention strategies for diverse students in post-secondary institutions based on scientific research and program evaluations
- Consult effectively with students in post-secondary institutions; with peers and colleagues; and with appropriate staff in order to improve student functioning
- Exemplify the main dimensions of personal growth and dispositions central to successful counseling, including self-awareness, self-care, and self-reflection
- Apply and implement the ethical codes related to the specific field of counseling within which one works (e.g., ACA Code of Ethics, ASCA ethical standards, LPCC ethical codes)

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Bachelor's degree conferral must be verified on transcript
- Technology Form
- CCTC Certificate of Clearance (COC)
- Statement of Intent addressing:
  - The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;
  - In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;
  - The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, a time when it is difficult and ill-advised to work full-time, and becoming active in related professional organizations (e.g., CASC, ASCA);
  - The applicant's related work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);
  - The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;
  - A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

## Degree Requirements

### Required Coursework

- EDSP 6362 Counseling Theories and Techniques 3 semester hours

- EDSP 6365 Research Methodology and Statistics *3 semester hours*
- EDSP 6368 Career Counseling and Educational Planning *3 semester hours*
- EDSP 6376 Crisis and Trauma Counseling *3 semester hours*
- EDSP 6377 Multicultural Counseling *3 semester hours*
- EDSP 6378 Group Counseling *3 semester hours*
- EDSP 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*
- EDSP 6382 Ethical and Legal Issues *3 semester hours*
- EDSP 6386 Culturally Responsive Counseling with Individuals *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDSP 6391 Foundations of Counseling *3 semester hours*
- EDSP 6394 Helping Skills *3 semester hours*
- EDSP 6972 Fieldwork in Guidance Counseling *1 TO 2 semester hours* (enroll in 2 semester hours)
- EDSP 6995 Comprehensive Examination *0 semester hours* (fee-based, \$300)  
One of the following two elective courses:
- EDLA 6711 Foundations of Higher Education *3 semester hours*
- EDLA 6713 Theories of College Student Development *3 semester hours*

Total: 41 semester hours

## Additional Requirements

- Candidate Disposition Forms
  - (1) BY END OF FIRST SEMESTER: **One Self-Assessment Disposition Form AND One Faculty-Assessment Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director no later than the **end of the candidate's first semester in the Program.**
  - (2) BY END OF EDSP 6386 Culturally Responsive Counseling with Individuals: **One Self-Assessment Disposition Form AND One Faculty-Assessment\* Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director upon your completion of EDSP 6386 Culturally Responsive Counseling with Individuals. \*This Faculty Assessment MUST be completed by the candidate's EDSP 6386 Instructor.
- Pre-Counseling Documentation Log
- Counseling Organization Membership
- Proof of Liability Insurance with Counseling Organization
- Approval of Site
- Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:
  - EDSP 6972 Fieldwork in Guidance Counseling *2 semester hours*
- All coursework must be completed within 5 years.

## School Counseling, M.A. with Pupil Personnel Services Credential, P.P.S.

### Contact Information

**Program Director:** Sheri A. Atwater

**Assistant Director:** Catherine M. Foote

**Academic Advisor:** Michael Cersosimo

## Introduction

The Master of Arts in School Counseling program is a 48-semester-hour combined degree/credential program. It is designed for candidates who plan to serve as School Counselors in a California K-12 public or private school setting. As a combined program, it incorporates the required courses and fieldwork experiences mandated by the California Commission on Teacher Credentialing (CCTC) for the Pupil Personnel Services (PPS) credential. As such, candidates in this program do not pursue other specializations. Graduates of this program are eligible to apply for the California PPS credential but not for licensure as a Licensed Professional Clinical Counselor (LPCC). The program leading to the School Counseling credential is approved by the State of California Commission on Teacher Credentialing and the National Council for the Accreditation of Teacher Education. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this training program, students will:

- Apply effective counseling strategies to meet the diverse academic, social, emotional, and career needs of PK-12 students using the ASCA model's four professional competencies: Foundations, Management, Delivery, and Accountability
- Counsel PK-12 students individually using appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Counsel PK-12 students in group settings using group facilitation skills derived from appropriate theoretical approaches to address academic readiness, language proficiency, cultural background, and individual development
- Evaluate PK-12 students using suitable/pertinent assessment measures based on the purpose of measuring instrument and identified counseling need
- Implement prevention and intervention strategies for diverse PK-12 students based on scientific research and program evaluations
- Consult effectively with school parents, teachers, staff, community members, peers, and colleagues to improve instruction for all PK-12 students
- Exemplify the main dimensions of personal growth and dispositions central to successful counseling, including self-awareness, self-care, and self-reflection
- Adhere to the specific ethical codes related to school counseling (e.g., ASCA ethical standards)
- Demonstrate advanced intervention techniques in school-based consultation, prevention, and intervention in order to address the diverse needs of the PK-12 student population

## Program Admissions Requirements

- Graduate Application
- 2 Letters of Recommendation
- 2 sealed, Official Transcripts from all colleges/universities attended
  - Bachelor's degree conferral must be verified on transcript
- Technology Form
- CCTC Certificate of Clearance (COC)
- California Basic Education Skills Test (CBEST) official score report
- Statement of Intent addressing:
  - The characteristics the applicant possesses that he or she thinks will make him or her an effective counselor;

- In what specific ways does the LMU Counseling Program help the applicant achieve his or her professional goals;
- The applicant's commitment towards preparing himself or herself to be an effective counselor, including devoting the required time and financial planning to a culminating internship in the field, a time when it is difficult and ill-advised to work full-time, and becoming active in related professional organizations (e.g., CASC, ASCA);
- The applicant's related work or volunteer experiences with individuals from diverse backgrounds (e.g., culture, race, ethnicity, gender, sexual orientation, social class, and/or children/adults with disabilities);
- The applicant's perspective on multiculturalism and social justice, as outlined in the School of Education's REAL conceptual framework;
- A bulleted list (to be included at the end of Statement of Intent) indicating a) positions held, b) length of time/duration, c) supervisor name/contact information, and d) volunteer or paid positions.
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL (100 minimum score) or IELTS (7 minimum score)

## Degree Requirements

### Required Coursework

- EDSP 6362 Counseling Theories and Techniques *3 semester hours*
- EDSP 6365 Research Methodology and Statistics *3 semester hours*
- EDSP 6368 Career Counseling and Educational Planning *3 semester hours*
- EDSP 6376 Crisis and Trauma Counseling *3 semester hours*
- EDSP 6377 Multicultural Counseling *3 semester hours*
- EDSP 6378 Group Counseling *3 semester hours*
- EDSP 6379 Social, Emotional, and Behavioral Functioning *3 semester hours*
- EDSP 6382 Ethical and Legal Issues *3 semester hours*
- EDSP 6386 Culturally Responsive Counseling with Individuals *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDSP 6391 Foundations of Counseling *3 semester hours*
- EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
- EDSP 6393 Assessment, Appraisal, and Diagnosis *3 semester hours*
- EDSP 6394 Helping Skills *3 semester hours*
- EDSP 6970 Fieldwork in School Counseling I *3 semester hours*
- EDSP 6980 Fieldwork in School Counseling II *3 semester hours*
- EDSP 6995 Comprehensive Examination *0 semester hours* (fee based, \$300)

Total: 48 semester hours

### Additional Requirements

- Candidate Disposition Forms
  - (1) BY END OF FIRST SEMESTER: **One Self-Assessment Disposition Form AND One Faculty-Assessment Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director no later than the **end of the candidate's first semester in the Program.**

- (2) BY END OF EDSP 6386 Culturally Responsive Counseling with Individuals: **One Self-Assessment Disposition Form AND One Faculty-Assessment\* Disposition Form** must be completed and turned in to the Counseling Program Advisor and EDSP Associate Director upon your completion of EDSP 6386 Culturally Responsive Counseling with Individuals. \*This Faculty Assessment **MUST** be completed by the candidate's EDSP 6386 Instructor.
- Fieldwork I Application form
- Pre-Counseling Documentation Log
- Counseling Organization Membership
- Proof of Liability Insurance with Counseling Organization
- Fieldwork Planning Document
- Approval of Fieldwork Site
  - Candidates seeking the Pupil Personnel Services (PPS) Credential must complete their fieldwork at an approved school site.
- Completion of all courses prior to enrollment in Comprehensive Exam with the exception of:
  - EDSP 6508 Student Diversity and Exceptionality *3 semester hours*
  - EDSP 6980 Fieldwork in School Counseling II *3 semester hours*
  - EDSP 6970 Fieldwork in School Counseling I *3 semester hours*

## Credential Requirements

- To apply for the Pupil Personnel Services (PPS) Credential, candidates must complete their fieldwork at an approved school site.
- All above-listed coursework and program requirements are needed to be eligible for credential recommendation.
- All coursework must be completed within 5 years.

## Teaching and Learning

### Faculty

Interim Chairperson: Victoria Graf

Professors: Marta Baltodano, Victoria Graf, Yvette Lapayese, Edmundo Edward F. Litton, Francisco Ramos, Marta Sanchez, Ani Shabazian

Associate Professors: Ernesto Colin, Ignacio Higareda, Philip Molebash

Clinical Associate Professors: Annette Pijuan Hernandez

Clinical Assistant Professors: Morgan Friedman, Maryann Krikorian, Jody Moody

Affiliate Faculty: Antonio Felix, Shannon Tabaldo

## Contact Information

**Location:** University Hall 2600

**Phone:** 310.568.6654

**Fax:** 310.338.1976

**Program Coordinator/Assistants:** Aracelli Moraity, Ryan Yandell

**Email:** Aracelli.Moraity@lmu.edu, Ryan.Yandell@lmu.edu

# Introduction

The Department of Teaching and Learning offers a variety of credential and graduate programs that prepare excellent teachers with the knowledge and skills to educate culturally and linguistically diverse populations in PK-12 public or private schools. Accredited by the California Commission on Teacher Credentialing and the Council for the Accreditation of Educator Preparation, we provide professional preparation in research-based exemplary practices that include the requisite skills, knowledge, and dispositions required to ensure equity and excellence in education. As a result of our Masters and credential programs, graduates are highly regarded by their colleagues and leaders in the schools, districts, and communities in which they serve. Teacher preparation and professional development options in the Department promote and respond to the Jesuit and Marymount traditions and put to work the core tenets of the School of Education's Conceptual Framework.

## Certificate

## Bilingual Authorization

### Contact Information

**Program Director:** Marta Sanchez

**Academic Advisor:**

- Graduate: Terri Taylor
- Undergraduate: Michael Cersosimo

### Introduction

The Bilingual Certificate Program offers candidates the opportunity to add a Bilingual Authorization in Spanish, Cantonese, or Mandarin to their existing California 2042 Multiple Subjects or Single Subject Preliminary credential. Candidates obtain the Bilingual Authorization upon completing the required three 3-semester-hour courses listed below. Candidates must also pass the CSET LOTE Test III. The option to add the Bilingual Authorization is only viable for candidates admitted to, and enrolled in, either the LMU School of Education California 2042 Multiple Subjects or Single Subject Preliminary credential programs.

### Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools
- Address issues related to bicultural identity development in the culture of concentration

### Program Admissions Requirements

In order to add the Bilingual Authorization to an existing credential, candidates must:

- Demonstrate language proficiency in Spanish, Cantonese, or Mandarin prior to starting their Bilingual Authorization program.
- Candidates can meet this language requirement by one of the following routes:
  - Providing an official transcript showing completion of a Spanish/Cantonese/Mandarin major or minor
  - Passing an approved language examination,
  - Submitting a transcript showing extensive schooling in a Spanish/Chinese-speaking country, or
  - Showing proof of appropriate Peace Corps experience in a Spanish- or Chinese-speaking country.
- Interview with the Director of Bilingual Education program
- Complete appropriate forms as provided by program and advisor

## Program Requirements

### Graduate Required Coursework

#### Bilingual Authorization in Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

#### Bilingual Authorization in Mandarin or Cantonese

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 9 semester hours

### Undergraduate Required Coursework

#### Bilingual Authorization in Spanish

- EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*
- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*

#### Bilingual Authorization in Mandarin or Cantonese

- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*
- EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*

Total: 9 semester hours

# Catholic Inclusive Education Certificate (On Hiatus)

## Contact Information

**Program Director:** Victoria Graf

## Introduction/Overview

The Catholic Inclusive Education Certificate program will provide Catholic school educators, including teachers and administrators, with the knowledge and skills to effectively educate students with a wide range of abilities, including students with disabilities, in a Catholic elementary and high school.

## Program Outcomes

As a result of this program, candidates will:

- Know the various aspects of Catholic education as they relate to educating all children in the contemporary context of the Catholic Church, e.g., theological, historical, etc.
- Design evidence-based strategies, e.g., assessment and pedagogy, to meet the varying abilities of all students utilizing the framework of Universal Design for Learning (UDL) and Assistive Technology (AT)
- Implement Positive Behavior Support and Intervention Strategies (PBIS)
- Establish collaborative partnerships with families and other educators
- Demonstrate the competence required for Catholic Inclusive educators

## Program Admission Requirements

- Graduate application
- Statement of Intent
- Virtual interview
- 2 letters of recommendation
- One letter must be from the applicant's current employer
- Technology requirement form
- Professional resume
- 2 sealed, official transcripts for all colleges and/or universities attended
- Catholic School Program Contract/Agreement
- Local cohort applicants must provide a signed Title II Compliance form
- A cumulative undergraduate of 3.0 or 3.05 in the last 60 units, or a 3.0 in at least 9 graduate units required
- For applicants who completed an undergraduate/graduate degree outside of the USA:
  - Transcript evaluations
  - TOEFL or IELTS minimum score
- Verification of employment:
  - California cohort candidates must be employed by one of the Catholic dioceses or archdioceses
  - National or International online candidates must be employed by a Catholic school

## Program Requirements

## Required Coursework

- EDES 6441 Universally Designed Curriculum and Instruction and Assistive Technology *1 semester hours*
- EDES 6442 Socio-emotional Learning and Positive Behavior Support *3 semester hours*
- EDES 6443 Assessment and Instruction for Students with Varying Abilities *3 semester hours*
- EDES 6444 Practicum in Catholic Inclusive Education *2 semester hours*
- EDLA 6430 Mission-Focused Spiritual Leadership in Catholic Education *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*

Total: 15 semester hours

## Additional Requirement

- Maintain a minimum overall GPA of 3.0 (B or higher in all courses)

## Reading and Literacy Added Authorization

### Contact Information

**Program Director:** Morgan Friedman

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The Reading and Literacy Added Authorization (RLAA) allows a candidate who currently holds a teaching credential to assess student reading and provide reading instruction in response to those assessments. Holders of the RLAA are also authorized to develop, implement, and adapt the reading content curriculum and assist classroom teachers in these areas at one or more school sites. This program may be taken concurrently with the Reading Instruction, M.A. program or as a stand-alone program.

### Program Outcomes

As a result of this program, candidates will:

- Apply current evidence-based and developmentally appropriate strategies in the following areas: oral language development, word analysis, fluency, vocabulary development, listening and reading comprehension, and written language development
- Demonstrate mastery of basic principles of assessment by evaluating the needs of all students through the use of formative and summative assessment
- Implement appropriate literacy learning strategies using differentiated instruction
- Demonstrate support of excellence in teaching reading and provide appropriate intervention strategies

### Program Admissions Requirements

- Graduate Application
- Statement of Intent

- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Copy of valid California 2042 Preliminary Teaching Credential
- Interview with Program Director/Assistant Director
- Verification of Experience Form
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*

Total: 15 semester hours

### Additional Requirement

- RLAA Portfolio

## Teaching English to Speakers of Other Languages (TESOL) Certificate (On Hiatus)

### Contact Information

**Program Director:** Marta E. Sanchez

### Introduction/Overview

The Teaching English to Speakers of Other Languages (TESOL) Certificate program will provide candidates with the knowledge and skills necessary to meet the needs of non-English speakers. The program consists of 9 units of required coursework offered completely online (100%). With the consent of the Program Director, some of the coursework can be applied to an LMU SOE M.A. program. The program will target new TESOL teachers seeking to work with English Learners, provide seasoned teachers of English Learners with enhanced skills and expertise, and offer teachers from foreign countries opportunities to gain mastery in teaching English to English Learners in their home countries.

## Program Outcomes

At the end of this program, candidates will:

- Use the components of language, and language as an interactive system, to create instructional plans that integrate instructional strategies for teaching the English language systems to English Language Learners.
- Design lessons and teach using a variety of concepts about culture, students' backgrounds, acculturation, assimilation, biculturalism, and the dynamics of prejudice, racism, and linguicism.
- Plan and design standards-based English as a Second Language (ESL) and content instruction, which include appropriate language levels, integrating students' cultural backgrounds, and multilevel activities with flexible grouping and differentiated instruction to meet English Learner needs.

## Program Admission Requirements

- Graduate Application
- TESOL Application
- Candidate Information Sheet
- 2 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity teaching English Learners.
  - Letters cannot be written by family members of friends.
- Technology Requirement Form
- Statement of Intent
- 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- Transcript evaluations for applicants who completed an undergraduate/graduate degree outside of the U.S.A.

## Degree Requirements

### Required Coursework

- EDUR 6221 Methodology in English Language Development (ELD) and Specially Designed Academic Instruction in English (SDAIE) for Elementary, Secondary, and Adult Educators *3 semester hours*
- EDES 5325 Curriculum and Instructional Leadership in a Bilingual Setting *3 semester hours*

Total: 9 semester hours

### Additional Requirements

All international candidates admitted to LMU's TESOL programs must complete the following by the end of their first semester in the program:

- Evidence of English language proficiency via TOEFL (minimum score of 80) or IELTS (minimum overall band core of 6.5) examination
- If student has not taken the TOEFL or IELTS examination, they will be required to take either exam with passing scores submitted in the first semester of the program. If a passing score is not submitted, the student will need to take a leave of absence before continuing in the program and re-enter the following year.

## Credential

# Preliminary 2042 Multiple Subject Credential Intern Pathway Program

## Contact Information

**Program Director:** Jody Moody

**CAST and PLACE Corps Program Director:** Antonio Felix

**Assistant Director (L.A. Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

Non-Cohort Academic Advisor: Terri Taylor

## Introduction

The Preliminary 2042 Multiple Subject Credential Intern Pathway program is designed for full-time teachers of record currently in a credential-appropriate placement within grades K-5 or any self-contained classroom in grades 6-8 in either a public or private school. This program serves multiple in-service partnership programs include, but are not limited to, TFA, CAST, PLACE Corps, Green Dot, KIPP, PUC, Wonderful, and Rocketship. Candidates meeting additional state requirements may be eligible for an Early Completion Option (ECO) and should inquire with their Program Director about the requirements. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this program, candidates will:

- Employ pedagogical skills and strategies for subject matter-specific instruction
- Monitor student learning throughout instruction/instructional sequences at an acceptable level
- Design and employ assessments, and analyze data to improve instruction and student learning at an acceptable level
- Differentiate instruction in order to make content accessible for all learners at an acceptable level
- Enlist students as active participants in instruction and learning at an acceptable level
- Use strategies that are evidence-based and developmentally appropriate at an acceptable level
- Support English Learners and Speakers of Non-Standard English in their English language development and subject matter acquisition at an acceptable level

- Build individual and whole-class profiles to facilitate instructional planning and delivery at an acceptable level
- Plan comprehensive and relevant subject-matter instruction based on state standards and effectively utilize all instructional time at an acceptable level
- Create a positive climate for learning by establishing a physically, socially, and emotionally safe classroom environment for her/his students at an acceptable level
- Fulfill professional, legal, and ethical obligations to their students and school community at an acceptable level
- Demonstrate continuous professional growth by employing reflective practices and seeking opportunities to increase skill and knowledge at an acceptable level
- Support Students with Special Needs across the curriculum at an acceptable level

## Program Admission Requirements\*

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members of friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency (i.e. CSET) per CTC guidelines
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

\*Specific partnerships may have alternate requirements different from those listed above. Contact appropriate Program Director for details and information about ECO.

## Credential Requirements

### Pre-Service Requirement

Prior to being recommended for an Intern credential, candidates need to complete these required courses to meet the 120 hours of pre-service requirement:

- EDUR 5021 Teaching English Learners
- EDUR 5023 Introduction to Teaching and Learning

Partnership candidates may use pre-approved training experiences and hours toward the pre-service requirement.

## Required Coursework

- EDUR 5022 Transformative Pedagogy *1 semester hours*
- EDUR 5024 Critical Issues in Education *3 semester hours*
- EDUR 5025 Introduction to Elementary Methods and Literacy *3 semester hours*
- EDUR 5026 Development of Elementary Methods and Literacy *3 semester hours*
- EDUR 5027 Introduction to Assessment *1 semester hours*
- EDUR 5028 Advanced Assessment for Teachers *1 semester hours*
- EDUR 5051 Urban Education Field Experience 1 *2 semester hours*
- EDUR 5052 Urban Education Field Experience 2 *2 semester hours*

Total: 16 semester hours

## Additional Requirements

- Application for Credential
- CPR certification
- Professional Advising
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirement
- Exit Interview
- Verification of Experience
- Reading Instruction Competence Assessment (RICA)
- edTPA passing score
- Private or Catholic Teacher-Practitioner: 10-20 observation hours in a public school setting required to meet the credential requirements
- Other partnership-specific requirements

## **Preliminary 2042 Single Subject Credential Intern Pathway Program**

### Contact Information

**Program Director:** Jody Moody

**CAST and PLACE Corps Program Director:** Antonio Felix

**Assistant Director (L.A. Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

Non-Cohort Academic Advisor: Terri Taylor

### Introduction/Overview

The Preliminary 2042 Single Subject Credential Intern Pathway program is designed for a full-time teacher of record currently in an appropriate credential placement within grades 9-12, or in 6-8 school settings. In-service teachers must select an option in one of the following areas:

- Art
- Biology
- Chemistry
- Earth Science
- English
- Health Sciences
- Industrial Technology
- Mathematics
- Music
- Physical Education
- Physics
- Social Science
- World Languages
- Foundational Mathematics
- Foundational Science

This program serves multiple in-service partnership programs include, but are not limited to, TFA, CAST, PLACE Corps, Green Dot, KIPP, PUC, Wonderful, and Rocketship. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this program, candidates will:

- Employ pedagogical skills and strategies for subject matter-specific instruction
- Monitor student learning throughout instruction/instructional sequences at an acceptable level
- Design and employ assessments, and analyze data to improve instruction and student learning at an acceptable level
- Differentiate instruction in order to make content accessible for all learners at an acceptable level
- Enlist students as active participants in instruction and learning at an acceptable level
- Use strategies that are evidence-based and developmentally appropriate at an acceptable level
- Support English Learners and Speakers of Non-Standard English in their English language development and subject matter acquisition at an acceptable level
- Build individual and whole-class profiles to facilitate instructional planning and delivery at an acceptable level
- Plan comprehensive and relevant subject-matter instruction based on state standards and effectively utilize all instructional time at an acceptable level
- Create a positive climate for learning by establishing a physically, socially, and emotionally safe classroom environment for her/his students at an acceptable level
- Fulfill professional, legal, and ethical obligations to their students and school community at an acceptable level
- Demonstrate continuous professional growth by employing reflective practices and seeking opportunities to increase skill and knowledge at an acceptable level
- Support Students with Special Needs across the curriculum at an acceptable level

## Program Admission Requirements\*

- Graduate Application

- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency (i.e. CSET) per CTC guidelines
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

\*Specific partnerships may have alternate requirements different from those listed above. Contact appropriate Program Director for details and information about ECO.

## Credential Requirements

### Pre-Service Requirement

Prior to being recommended for an Intern credential, candidates need to complete these required courses to meet the 120 hours of pre-service requirement:

- EDUR 5021 Teaching English Learners
- EDUR 5023 Introduction to Teaching and Learning

Partnership candidates may use pre-approved training experiences and hours toward the pre-service requirement.

### Required Coursework

- EDUR 5022 Transformative Pedagogy *1 semester hours*
- EDUR 5024 Critical Issues in Education *3 semester hours*
- EDUR 5027 Introduction to Assessment *1 semester hours*
- EDUR 5028 Advanced Assessment for Teachers *1 semester hours*
- EDUR 5051 Urban Education Field Experience 1 *2 semester hours*
- EDUR 5052 Urban Education Field Experience 2 *2 semester hours*

One of the following courses in alignment with the candidate's credential subject area:

- EDUR 5029 Introduction to Secondary Mathematics and Literacy *2 semester hours*

- EDUR 5031 Introduction to Approaches to Teaching Science and Literacy 2 *semester hours*
- EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy 2 *semester hours*
- EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting 2 *semester hours*
- EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting 2 *semester hours*
- EDUR 5039 Introduction to Teaching Physical Education in a Departmentalized Setting 2 *semester hours*
- EDUR 5041 Introduction to Teaching Industrial and Technology Education in a Departmentalized Setting 2 *semester hours*
- EDUR 5043 Introduction to Teaching Music in a Departmentalized Setting 2 *semester hours*
- EDUR 5045 Introduction to Teaching Health Science in a Departmentalized Setting 2 *semester hours*
- EDUR 5047 Introduction to Teaching Art in a Departmentalized Setting 2 *semester hours*

One of the following courses in alignment with the candidate's credential subject area:

- EDUR 5030 Advanced Secondary Mathematics and Literacy 2 *semester hours*
- EDUR 5032 Contemporary Approaches to Teaching Science and Literacy 2 *semester hours*
- EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy 2 *semester hours*
- EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting 2 *semester hours*
- EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting 2 *semester hours*
- EDUR 5040 Contemporary Approaches to Teaching Physical Education in a Departmentalized Setting 2 *semester hours*
- EDUR 5042 Contemporary Approaches to Teaching Industrial and Technology Education in a Departmentalized Setting 2 *semester hours*
- EDUR 5044 Contemporary Approaches to Teaching Music in a Departmentalized Setting 2 *semester hours*
- EDUR 5046 Contemporary Approaches to Teaching Health Science in a Departmentalized Setting 2 *semester hours*
- EDUR 5048 Contemporary Approaches to Teaching Art in a Departmentalized Setting 2 *semester hours*

Total: 14 semester hours

## Additional Requirements

- Application for Credential
- CPR certification
- Professional Advising
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirement
- Exit Interview
- Verification of Experience
- Reading Instruction Competence Assessment (RICA)
- edTPA passing score
- Private or Catholic Teacher-Practitioner: 10-20 observation hours in a public school setting required to meet the credential requirements
- Other partnership-specific requirements

# Preliminary Education Specialist Credential Intern Pathway Program

## Contact Information

**Interim Program Director:** Victoria Graf

**Assistant Director (L.A. Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

Non-Cohort Academic Advisor: Terri Taylor

## Introduction/Overview

The Preliminary Education Specialist Credential Intern Pathway program prepares candidates from a variety of academic backgrounds to work with students with Mild/Moderate Disabilities. Completion of the program results in a California preliminary Education Specialist Mild/Moderate credential and is designed for a full-time teacher of record currently in an appropriate credential placement within a public or private school. This program serves traditional public schools, charter schools, and non-public schools.

## Program Outcomes

As a result of this program, candidates will:

- Demonstrate reflective praxis through a Social Justice lens while actively engaging with all stakeholders included but not limited to persons listed in CTC Program Standard 4 (e.g., children, parents, educators, etc.)
- Exhibit knowledge and practice of professional, legal, and ethical standards to show evidence of engagement and educational practices to support all stakeholders
- Cultivate inclusive educational environments for all PK-12 diverse learners through the development and use of positive behavioral, social, and environmental supports for learning
- Apply knowledge of non-biased evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction

## Program Admission Requirements

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent

- 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency (i.e. CSET) per CTC guidelines
- Certificate of Clearance (COC)
  - Fingerprint Clearance Form
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

\*Specific partnerships may have alternate requirements different from those listed above. Contact appropriate Program Director or SOE Admissions for details.

## Credential Requirements

### Pre-Service

Candidates who will be recommended for an Intern credential must complete pre-service coursework and requirements in order to be eligible for credential recommendation. These requirements are met by completing approved online coursework offered in collaboration with the Kern County Office of Education as well as certain professional development opportunities. These online courses meet the 120 hours of pre-service requirement.

Teach for America candidates may be given pre-service hours from TFA Institute.

### Required Coursework

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*
- EDUR 6613 Special Education Intern Seminar 1 *2 semester hours*
- EDUR 6614 Special Education Intern Fieldwork 1 *1 semester hours*
- EDUR 6615 Special Education Intern Seminar 2 *2 semester hours*
- EDUR 6616 Special Education Intern Fieldwork 2 *1 semester hours*
- EDES 8000 Health Education *1 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

Total: 23 semester hours

## Additional Requirements

- Application for Credential
- CPR certification
- Professional Advising
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirement
- Exit Interview
- Verification of Experience
- Reading Instruction Competence Assessment (RICA)
- edTPA passing scores
- Private or Catholic Teacher-Practitioner: 10-20 observation hours in a public school setting required to meet the credential requirements
- Other partnership-specific requirements

## Reading and Literacy Leadership Specialist Credential (On Hiatus)

### Contact Information

**Program Director:** Morgan Freidman

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The Reading and Literacy Leadership Specialist Credential allows candidates to work as Reading Specialists in schools and to act in a leadership role in materials selection, program development, and professional development in reading and literacy at the school and district levels. Candidates who hold a current teaching credential may count their coursework towards the Reading Instruction M.A. based on the curriculum match. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Create positive literacy environments to motivate and engage all learners using current technologies
- Take steps to serve as a leader to develop and maintain reading initiative at the school site or district level
- Collaborate with parents/families and community to enrich or reform the teaching of reading practices

## Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Verification of Experience form
- Copy of valid California 2042 Preliminary Teaching Credential
- Proof of satisfying California's Basic Skill Requirement
- Interview with Program Director/Assistant Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6005 Resourcing and Implementing Technology for Effective Reading *3 semester hours*
- EDES 6351 Assessment in Reading Performance *3 semester hours*
- EDES 6352 Seminar: The Reading Professional *3 semester hours*
- EDES 6354 Reading Development and Instruction *3 semester hours*
- EDES 6355 Introduction to Reading Difficulties *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDES 6357 Diagnosis and Intervention in Reading--Practicum II *3 semester hours*
- EDES 6358 Research and Trends in Reading Education *3 semester hours*

One of the following:

- EDES 6008 Motivating All Readers in the Content Areas *3 semester hours* or
- EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners *3 semester hours*
  
- EDES 6995 Comprehensive Examination *0 semester hours* (fee based)

Total: 33 semester hours

### Additional Requirements

- Written Comprehensive Exam
- PowerPoint Showcase
- RLLSC Portfolio

# Undergraduate Teacher Preparation - Bilingual Authorization

## Contact Information

**Academic Program Director:** Marta Sanchez

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cerososimo

## Introduction

The Bilingual Certificate Program offers candidates the opportunity to add a Bilingual Authorization in Spanish, Cantonese, or Mandarin to their existing California 2042 Multiple Subjects or Single Subject Preliminary credential. Candidates obtain the Bilingual Authorization upon completing the required three 3-semester-hour courses listed below. Candidates must also pass the CSET LOTE Test III. The option to add the Bilingual Authorization is only viable for candidates admitted to, and enrolled in, either the LMU School of Education California 2042 Multiple Subjects or Single Subject Preliminary credential programs.

## Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools
- Address issues related to bicultural identity development in the culture of concentration

## Program Admissions Requirements

In order to add the Bilingual Authorization to an existing credential, candidates must:

- Demonstrate language proficiency in Spanish, Cantonese, or Mandarin prior to starting their Bilingual Authorization program.
- Candidates can meet this language requirement by one of the following routes:
  - Providing an official transcript showing completion of a Spanish/Cantonese/Mandarin major or minor
  - Passing an approved language examination,
  - Submitting a transcript showing extensive schooling in a Spanish/Chinese-speaking country, or
  - Showing proof of appropriate Peace Corps experience in a Spanish- or Chinese-speaking country.
- Interview with the Director of Bilingual Education program.
- Complete appropriate forms as provided by program and advisor.

## Program Requirements

### Bilingual Authorization in Spanish

- EDES 416 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*
- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 420 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*

## Bilingual Authorization in Mandarin or Cantonese

- EDES 418 Bilingualism and Biliteracy *3 semester hours*
- EDES 430 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*
- EDES 431 American/Chinese/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*

Total: 9 semester hours

## Undergraduate Teacher Preparation--Elementary Education

### Contact Information

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Undergraduate Teacher Preparation pathway in Elementary Education is designed for undergraduate students who are seeking teaching positions in grades K-5 or any self-contained classrooms in grades 6-8. The pathway fulfills all the requirements for a California Preliminary 2042 Multiple Subjects Teaching Credential. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

Students accepted into the University are not automatically accepted into the School of Education upon matriculation. Students must apply to the School of Education to enroll in the necessary coursework to earn a preliminary teaching credential. The program admissions requirements are listed below.

- Complete one of the following two prerequisite course combinations and maintain a GPA of 3.0 or better:
  - EDES 501 Teaching and Learning in Diverse Communities
  - EDES 502 Creating and Leading Effective Classroom Environments
  - or*
  - EDES 503 Language Theory and Pedagogy: Second Language Acquisition
  - EDES 504 Assessment to Inform Instruction for Diverse Students
- Attend a Mandatory Application Information Session
  - Contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Teacher Education Application form
- Candidate Information Sheet
- 3 Letters of Recommendation
  - 1 letter from an LMU Professor
  - 1 letter that speaks to the candidate's experience in working with children in the target age group
  - 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.
- Technology Requirement Form
- Statement of Intent
  - 1-2 pages, double spaced, addressing the following:
    - Why you want to go into teaching
    - Your personal values in reference to the School of Education's REAL conceptual framework
- 1 sealed official transcript from all colleges/universities attended (other than LMU)
- Verification of Experience form
- Unofficial LMU transcript (retrieved through PROWL)
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach (elementary school age)
- Proof of satisfying California's Basic Skill Requirement
  - Official CBEST passing scores or equivalent (SAT, ACT, etc.)
- Subject Matter Competency Exam (CSET) Plan of Action
  - Students must demonstrate mastery of the required subject matter by passing the Multiple Subject California Subject Matter Exam for Teachers (Multiple Subjects CSET). Results of the CSET are valid for five years.
- CTC Certificate of Clearance (COC)
- U.S. Constitution Requirement--Satisfied by one of the following:
  - Successful completion of approved LMU course
  - Completing an equivalent course at another institution. The course must be reviewed and approved by the School of Education. Candidate must present a course syllabus and official transcript.
- Interview with Academic Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

## Program Requirements

### Required Coursework

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*

- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 509 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 510 Elementary Teaching Seminar *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 522 Elementary Clinical Supervision 2 *1 semester hours*
- EDES 523 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 524 Elementary Clinical Supervision 4 *2 TO 5 semester hours*

Total: 32-35 semester hours

## Additional Requirements

- All candidates must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 501 Teaching and Learning in Diverse Communities and EDES 502 Creating and Leading Effective Classroom Environments or EDES 503 Language Theory and Pedagogy: Second Language Acquisition and EDES 504 Assessment to Inform Instruction for Diverse Students.
- edTPA
- Professional Advising
- Official CSET Score Report
- Disposition Rubric
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential

## Undergraduate Teacher Preparation--Secondary Education

### Contact Information

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Undergraduate Teacher Preparation pathway in Secondary Education is designed for undergraduate students who are seeking teaching positions in grades 6-8 or 9-12 school settings that require teachers to teach in departments. The pathway fulfills all the requirements for a California Preliminary 2042 Multiple Subjects Teaching Credential.

The following Single Subject Preliminary credentials are offered:

- Art\*
- Biology\*
- English\*

- Chemistry
- Mathematics\*
- Music
- Physical Education
- Physics
- Social Science\*
- World Languages (including Spanish\*)
- Foundational Mathematics
- Foundational Science

Note: The (\*) denotes an undergraduate subject matter waiver program. Upon successful completion of the waiver program, students are waived from completing the California Subject Examinations for Teachers (CSET). The CTC has reviewed, approved, and deemed the program curriculum as equivalent to that of the CSET exam.

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CCTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

## Program Admission Requirements

Students accepted into the University are not automatically accepted into the School of Education upon matriculation. Students must apply to the School of Education to enroll in the necessary coursework to earn a preliminary teaching credential. The program admission requirements are listed below.

- Complete one of the following two prerequisite course combinations and maintain a GPA of 3.0 or higher:
  - EDES 501 Teaching and Learning in Diverse Communities
  - EDES 502 Creating and Leading Effective Classroom Environments

*or*

  - EDES 503 Language Theory and Pedagogy: Second Language Acquisition
  - EDES 504 Assessment to Inform Instruction for Diverse Students
- Attend a Mandatory Application Information Session
  - Contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Teacher Education Application form
- Candidate Information Sheet
- 3 Letters of Recommendation
  - 1 letter from an LMU Professor
  - 1 letter that speaks to the candidate's experience in working with children in the target age group

- 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.
- Technology Requirement Form
- Statement of Intent
  - 1-2 pages, double spaced, addressing the following:
    - Why you want to go into teaching?
    - Your personal values in reference to the School of Education's REAL conceptual framework
- 1 sealed official transcript from all colleges/universities attended (other than LMU)
- Unofficial LMU transcript (retrieved through PROWL)
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach (middle school or high school age)
- Copy of valid California 2042 Preliminary Teaching Credential
- Proof of satisfying California's Basic Skill Requirement
  - Official CBEST passing scores or equivalent (SAT, ACT, etc.)
- Subject Matter Competency Exam (CSET) Plan of Action
  - Students must demonstrate mastery of the required subject matter by passing the Single Subject California Subject Matter Exam for Teachers (Single Subjects CSET) in the content area of the credential. Results of the CSET are valid for five years. Secondary candidates who major in their content area may also apply for a CSET waiver through their major.
- CTC Certificate of Clearance (COC)
- U.S. Constitution Requirement--Satisfied by one of the following:
  - Successful completion of approved LMU course
  - Completing an equivalent course at another institution. The course must be reviewed and approved by the School of Education. Candidate must present a course syllabus and official transcript.
- Interview with Academic Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

## Program Requirements

### Required Coursework

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*

One of the following courses that aligns with the subject area emphasis of the credential:

- EDES 512 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 515 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 516 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 517 Secondary Content Methodology for Teaching Art *3 semester hours*

- EDES 518 Secondary Teaching Seminar 3 *semester hours*
- EDES 519 Clinical Supervision 1 1 *semester hours*
- EDES 532 Secondary Clinical Supervision 2 1 *semester hours*
- EDES 533 Secondary Clinical Supervision 3 1 *semester hours*
- EDES 534 Secondary Clinical Supervision 4 2 *TO 5 semester hours*

Total: 32-35 semester hours

## Additional Requirements

- All students must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 501 Teaching and Learning in Diverse Communities and EDES 502 Creating and Leading Effective Classroom Environments or EDES 503 Language Theory and Pedagogy: Second Language Acquisition and EDES 504 Assessment to Inform Instruction for Diverse Students. These documents are required for participation in clinical practice.
- edTPA
- Professional Advising
- Official CSET Score Report
- Disposition Rubric
- Culminating Fieldwork Requirements
- Exit Interview
- Application for Credential

## Undergraduate Teacher Preparation--Special Education

### Contact Information

**Interim Academic Program Director:** Victoria Graf

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Undergraduate Teacher Preparation pathway in Special Education is offered through the School of Education and is designed for undergraduate students who are seeking teaching positions in school settings as Education Specialists. The pathway fulfills all the requirements for a California Preliminary Education Specialist Mild/Moderate Teaching Credential. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Apply knowledge of non-biased, evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions

## Program Admission Requirements

Students accepted into the University are not automatically accepted into the School of Education upon matriculation. Students must apply to the School of Education to enroll in the necessary coursework to earn a preliminary teaching credential. The program admission requirements are listed below.

- Attend a Mandatory Application Information Session
  - Contact the School of Education Enrollment Management Assistant Director to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Teacher Education Application form
- Candidate Information Sheet
- 3 Letters of Recommendation
  - 1 letter from an LMU Professor
  - 1 letter that speaks to the candidate's experience in working with children in the target age group
  - 1 additional letter that can be a recommendation from either of the two above. Cannot be from a family member or friend.
- Technology Requirement Form
- Statement of Intent
  - 1-2 pages, double spaced, addressing the following:
    - Why you want to go into teaching
    - Your personal values in reference to the School of Education's REAL conceptual framework
- 1 sealed official transcript from all colleges/universities attended (other than LMU)
- Verification of Experience form
- Unofficial LMU transcript (retrieved through PROWL)
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach (ages 5-13)
- Proof of satisfying California's Basic Skill Requirement
- Official CBEST passing scores or equivalent (SAT, ACT, etc.)
- Subject Matter Competency Exam (CSET) Plan of Action
  - Students must demonstrate mastery of the required subject matter by passing the Multiple Subject California Subject Matter Exam for Teachers (Multiple Subjects CSET). Results of the CSET are valid for only five years.
- CTC Certificate of Clearance (COC)
- U.S. Constitution Requirement--Satisfied by one of the following:
  - Successful completion of approved LMU course
  - Completing an equivalent course at another institution. The course must be reviewed and approved by the School of Education. Candidate must present a course syllabus and official transcript.
- Interview with Academic Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.

## Program Requirements

## Required Coursework

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*

One of the following courses in alignment with content area and setting:

- EDES 508 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*

One of the following courses in alignment with content area and setting:

- EDES 509 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 512 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 515 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 516 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 517 Secondary Content Methodology for Teaching Art *3 semester hours*

- EDSP 444 Observation and Participation in General and Special Education Programs *3 semester hours*
- EDSP 453 Introduction to the Study of Disability and Special Education *3 semester hours*
- EDSP 454 Major Issues and Foundations of Special Education *2 semester hours*
- EDSP 455 Development of IEPs for Students with Exceptional Needs *1 semester hours*
- EDSP 427 Creating Effective Classrooms in Diverse Settings *3 semester hours*
- EDSP 436 Creating Collaborative Partnerships *3 semester hours*
- EDSP 475 Teaching and Assessing Students with Mild/Moderate Disabilities *3 semester hours*
- EDCE 456 Directed Teaching with Culturally and Linguistically Diverse Students with Mild/Moderate Disabilities *6 semester hours*
- EDCE 459 Student Teaching Seminar *3 semester hours*

Total: 47-50 semester hours

## Additional Requirements

- All students must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 503 Language Theory and Pedagogy: Second Language Acquisition. These documents are required for participation in in clinical practice.
- edTPA
- Professional Advising
- Official CSET Score Report
- Disposition Rubric
- Fieldwork Application
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential

## Masters

### **Bilingual Education, M.A. with a Preliminary 2042 Multiple Subjects Credential and Bilingual Authorization**

#### Contact Information

**Program Director:** Marta Sanchez

**Academic Advisor:** Terri Taylor

#### Introduction/Overview

The Master of Arts program emphasizes the preparation of highly qualified elementary school teachers to conduct quality bilingual and intercultural education for a variety of student populations. This combined program fulfills all the requirements for the Master of Arts in Bilingual Education degree and the 2042 Multiple Subjects Preliminary Teaching Credential with a Bilingual Authorization in Spanish or Mandarin. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

#### Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools

#### Program Admission Requirements

- Minimum language competency in target language (Spanish or Mandarin)
- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.

- Letters cannot be written by family members or friends.
- Technology Requirement Form
- Fingerprint Clearance Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5108 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 5109 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 5110 Elementary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5122 Elementary Clinical Supervision 2 *1 semester hours*
- EDES 5123 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 5124 Elementary Clinical Supervision 4 *2 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

And the following three (3) courses in alignment with the target language of the applicant's bilingual authorization in either Spanish, Cantonese, or Mandarin:

Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

### Mandarin or Cantonese

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 41 semester hours

### Additional Requirements

- edTPA
- Professional Advising
- CSET Score Report
- Disposition Rubric
- Fieldwork Application
- CSET LOTE III
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## **Bilingual Education, M.A. with a Preliminary 2042 Secondary Credential and Bilingual Authorization**

### Contact Information

**Program Director:** Marta Sanchez

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The Master of Arts program emphasizes the preparation of highly qualified elementary school teachers to conduct quality bilingual and intercultural education for a variety of student populations. This combined program fulfills all the requirements for the Master of Arts in Bilingual Education degree and the 2042 Multiple Subjects Preliminary Teaching Credential with a Bilingual Authorization in Spanish, Mandarin, or Cantonese. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Master the theoretical and legal foundations of bilingual education
- Provide standards-based instruction in their language of concentration in an elementary or secondary bilingual classroom setting
- Assess student learning in their language of concentration
- Apply current second language acquisition theory and research to research projects related to bilingual education or biliteracy development in individuals and/or schools

## Program Admission Requirements

- Minimum language competency in target language (Spanish or Mandarin)
- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Coordinator to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Fingerprint Clearance Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*

- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5111 Content Literacy for Single Subject Teachers *3 semester hours*
- EDES 5118 Secondary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5132 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 5133 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 5134 Secondary Clinical Supervision 4 *2 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

One of the following courses that aligns with the subject area emphasis of the credential:

- EDES 5112 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 5113 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 5114 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 5115 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 5116 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 5117 Secondary Content Methodology for Teaching Art *3 semester hours*

And the following three (3) courses in alignment with the target language of the applicant's bilingual authorization in either Spanish, Mandarin, or Cantonese:

#### Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

#### Mandarin or Cantonese

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

Total: 41 semester hours

#### Additional Requirements

- edTPA
- Professional Advising
- CSET Score Report
- Disposition Rubric

- Fieldwork Application
- CSET LOTE III
- Culminating Fieldwork Requirements
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## Educational Studies Integrated 4+1, M.A.

### Contact Information

**Academic Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction

The Educational Studies Integrated 4+1 Program will provide undergraduate students in the teacher education pipeline, working through the Center for Undergraduate Teacher Preparation, the opportunity to earn their Bachelor of Arts degree, preliminary teaching credential, and Master of Arts degree in Educational Studies within five years at LMU. The B.A. and preliminary teaching credential will be earned within the first four years of undergraduate study. Students will earn their B.A. in a major of their choice from within the various Schools/Colleges at LMU. Simultaneously, the preliminary teaching credential will be earned through the School of Education. The M.A. in Educational Studies degree will be earned in an additional year through the School of Education as well. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Develop an understanding of the interdisciplinary nature of education
- Develop and improve the critical thinking skills needed to apply the knowledge and skills learned through the program
- Acquire and develop the knowledge, skills, and perspectives to examine and act upon the ethical and social justice dimensions of schooling
- Demonstrate knowledge of how diverse issues impact educational theory and practice both qualitatively and quantitatively

### Program Admission Requirements

- Attend a Mandatory Information Session
  - Please contact the SOE Admissions Office to attend an information session. Applicants will receive an informational packet that includes all application materials and instructions.
- Currently enrolled as an undergraduate student at LMU
- Graduate Division Application
- 2 Letters of Recommendation
  - Letters should be written by LMU professors/faculty.

- Statement of Intent
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units
- Interview with Program Director/Assistant Director

## Program Requirements

### Required Coursework

- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDES 6103 Curriculum and Instructional Leadership *3 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDES 6998 Special Studies *0 TO 3 semester hours*
- EDES 6900 Educational Studies Capstone Project *3 semester hours*

12 additional semester hours in their selected area of focus from:

#### Digital Learning

- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDUR 6327 Learning and Teaching with Technology *3 semester hours*
- EDUR 6328 Survey of Digital Technologies for Urban Education *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

#### Early Childhood Education

- EDES 5401 Infancy *3 semester hours*
- EDES 5402 Early Childhood *3 semester hours*
- EDES 5404 Child, Family, and Community *3 semester hours*
- EDES 5405 Early Childhood Education Programs and Curriculum *3 semester hours*

#### Language

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*

And choose Spanish or Mandarin remaining semester hours:

#### Spanish

- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*

#### Mandarin

- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*

- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*

## Literacy

- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*

## Educational Policy and Administration

- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*
- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDUR 6102 The Context of Schooling *3 semester hours*

## Special Education

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDES 6608 Research Methods in Special Education *3 semester hours*
- EDES 6610 Special Topics in Special Education *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDES 6611 Master's Professional Project *3 semester hours*

Total: 30 semester hours

## Additional Requirements

- 2 sealed, official transcripts from LMU need to be sent to the Center for Undergraduate Teacher Preparation after the B.A. degree is awarded
- Professional Advising
- Exit Interview

## **Educational Studies, M.A.**

### Contact Information

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Terri Taylor

### Introduction

This program provides experiences that are tailored to meet the general teaching and curriculum needs of teachers and other professionals. Candidates in this program do not earn nor require a teaching credential. The candidate for this degree selects coursework centered on her/his goals and objectives. This program allows a maximum flexibility in selecting a course of study for a Master's degree.

## Program Outcomes

As a result of this program, candidates will:

- Develop an understanding of the interdisciplinary nature of education
- Develop and improve the critical thinking skills needed to apply the knowledge and skills learned through the program
- Acquire and develop the knowledge, skills, and perspectives to examine and act upon the ethical and social justice dimensions of schooling
- Demonstrate knowledge of how diverse issues impact educational theory and practice both qualitatively and quantitatively

## Program Admission Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDES 6103 Curriculum and Instructional Leadership *3 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDSP 6390 Lifespan Development *3 semester hours*
- EDES 6900 Educational Studies Capstone Project *3 semester hours*
- 15 semester hours in elective coursework

Total: 30 semester hours

### Additional Requirements

- 18 semester hours of the total program must be in coursework at the 6000-course level.

- All elective courses must be approved by the Program Director and in line with the candidate's goals.
- A maximum of two courses may be taken outside the School of Education with approval of the Program Director.

## Elementary Education, M.A. with a Preliminary 2042 Multiple Subjects Credential

### Contact Information

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The combined Multiple Subject Preliminary Credential and Master of Arts in Elementary Education program is designed for graduate students who are seeking teaching positions in grades K-5 or any self-contained classrooms in grades 6-8. The combined program fulfills all the requirements for the Master of Arts in Elementary Education degree and a California Preliminary 2042 Multiple Subjects Teaching Credential. All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - Letters should be written by people in a supervisory or instructional capacity. They cannot be written by family members, peers or friends.
- Technology Requirement Form
- Statement of Intent

- 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead)
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement (or plan of action)
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5108 Integrating Early Literacy, Social Studies, and the Arts in a 21st Century Classroom *3 semester hours*
- EDES 5109 STEM Integrated Methodology and Elementary Curriculum *3 semester hours*
- EDES 5110 Elementary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5122 Elementary Clinical Supervision 2 *1 semester hours*
- EDES 5123 Elementary Clinical Supervision 3 *1 semester hours*
- EDES 5124 Elementary Clinical Supervision 4 *2 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours* (fee required)

Total: 35 semester hours

### Additional Program Requirements

- Professional Advising
- CSET Score Report
- Disposition Rubric

- Fieldwork Application
- Culminating Fieldwork Requirements
- edTPA
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## Literacy Instruction for Urban Environments, M.A. (On Hiatus)

### Contact Information

**Program Director:** Morgan Freidman

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The fully online Master of Arts in Literacy for Urban Schools program empowers teachers in urban settings to make an impact on the education of struggling readers. Coursework will focus on strategies that integrate research and theory into practice, whether it is in the classroom or at the district level. Recognizing the diversity of learning styles in the classroom, graduates of this program will gain the skill set to assess learners and adapt curriculum to meet the needs of all students. The program meets the needs of PK-12 classroom teachers nationwide and fits candidates' demanding schedules via its fully online design.

### Program Outcomes

As a result of this program, candidates will:

- Apply current evidence-based and developmentally appropriate strategies in the following areas: oral language development, word analysis, fluency, vocabulary development, listening and reading comprehension, and written language development
- Demonstrate mastery of basic principles of assessment by evaluating the needs of all students through the use of formative and summative assessment
- Implement appropriate literacy learning strategies using differentiated instruction
- Demonstrate support of excellence in teaching reading and provide appropriate intervention strategies
- Create positive literacy environments to motivate and engage all learners using current technologies
- Take steps to serve as a leader to develop and maintain reading initiative at the school site or district level
- Collaborate with parents/families and community to enrich or reform the teaching of reading practices

### Program Admissions Requirements

- Graduate Application
- Statement of Intent
- 2 Letters of Recommendation
- Technology Requirement Form
- 2 sealed official transcripts from all colleges/universities attended
- Interview with Program Director/Assistant Director

- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units is required.
- Bachelor's degree
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*
- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6005 Resourcing and Implementing Technology for Effective Reading *3 semester hours*
- EDES 6006 Literacy Curriculum and Design Implementation *3 semester hours*
- EDES 6007 Critical Analysis of Current Literacy Education in Urban Schools *3 semester hours*
- EDES 6008 Motivating All Readers in the Content Areas *3 semester hours*
- EDES 6009 Evidence-Based Strategies in Reading for Emergent Bilingual Learners *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours (fee required)*

Total: 30 semester hours

### Additional Requirements

- Written Comprehensive Exam
- PowerPoint Showcase

## Secondary Education, M.A. with a Preliminary 2042 Single Subject Credential

### Contact Information

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The combined Single Subject Preliminary Credential and Master of Arts in Secondary Education program is designed for graduate students who are seeking teaching positions in grades 6-8, or in 9-12 school settings that require teachers to teach in departments. The combined program fulfills all the requirements for the Master of Arts in Secondary Education degree and a California Preliminary 2042 Single Subjects Teaching Credential. The following Single Subject Preliminary credentials are offered:

- Art
- Biology
- Chemistry
- Earth Science
- English
- Mathematics
- Music
- Physical Education
- Physics
- Social Science
- World Languages
- Foundational Mathematics
- Foundational Science

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

## Program Outcomes

As a result of this program, candidates will:

- Teach for social justice while acting as proactive agents for all stakeholders
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

## Program Admission Requirements

- Attendance at an Information Session (for Credential Candidates Only)
  - Please contact the School of Education Admissions Office to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - Letters should be written by people in a supervisory or instructional capacity. They cannot be written by family members, peers or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent

- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC)
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDES 5101 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 5102 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 5103 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 5104 Assessment to Inform Instruction for Diverse Learners *3 semester hours*
- EDES 5105 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 5106 Using Technology in the Classroom *1 semester hours*
- EDES 5107 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 5111 Content Literacy for Single Subject Teachers *3 semester hours*
- EDES 5118 Secondary Teaching Seminar *3 semester hours*
- EDES 5119 Clinical Supervision 1 *1 semester hours*
- EDES 5132 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 5133 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 5134 Secondary Clinical Supervision 4 *2 semester hours*
- EDLA 6105 Assessment and Research Methodology *3 semester hours*
- EDES 6995 Comprehensive Examination *0 semester hours*

One of the following courses that aligns with the subject area emphasis of the credential:

- EDES 5112 Secondary Content Methodology for Teaching Languages Other than English *3 semester hours*
- EDES 5113 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 5114 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 5115 Secondary Content Methodology for Teaching Science *3 semester hours*
- EDES 5116 Secondary Content Methodology for Teaching Math *3 semester hours*
- EDES 5117 Secondary Content Methodology for Teaching Art *3 semester hours*

Total: 35 semester hours

### Additional Program Requirements

- edTPA

- Professional Advising
- CSET Score Report
- Disposition Rubric
- Culminating Fieldwork Requirements
- Exit Interview
- Application for Credential
- Application for Master of Arts Degree

## Special Education, M.A. - Intern Program

### Contact Information

**Interim Program Director:** Victoria Graf

**Assistant Director (LA Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

### Introduction/Overview

The Master of Arts in Special Education coursework combined with the Education Specialist credential coursework prepares candidates from a variety of academic backgrounds to work with students with Mild/Moderate Disabilities. Completion of the program results in a Master of Arts degree in Special Education. The benefits of this M.A. in the area of Special Education include:

- Acquisition of the knowledge and skills needed to create access to learning for students with Mild/Moderate Disabilities.
- Focus on removing barriers to learning for students with disabilities through the lens of social justice
- Authentic connection and experience working with students with disabilities

All students in the Special Education teaching credential that are successfully progressing in their teaching credential program requirements are eligible to apply for admission into the Master of Arts in Special Education degree program. Partnership programs may include but are not limited to: TFA, CAST, PLACE Corps, Green Dot, KIPP, PUC, Rocketship, Wonderful, and Seneca. Some candidates in their teaching credential program may require additional pre-service coursework, required coursework, and requirements in order to be eligible for credential recommendation and progression into the Special Education M.A. program. For specific requirements, please see Education Specialist teaching credential intern pathways requirements.

### Program Outcomes

As a result of this program, candidates will:

- Demonstrate reflective praxis through a Social Justice lens while actively engaging with all stakeholders, including but not limited to, persons listed in CTC Program Standard 4 (e.g., children, parents, educators, etc.)
- Exhibit knowledge and practice of professional, legal, and ethical standards to show evidence of engagement and educational practices to support all stakeholders
- Cultivate inclusive educational environments for all PK-12 diverse learners through the development and use of positive behavioral, social, and environmental supports for learning

- Apply knowledge of non-biased evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction

## Program Admissions Requirements

This program is available only to candidates who have been admitted to, and are on track for, completion of the coursework for the Special Education teaching credential intern pathway programs only.

- Application for M.A. from Credential
- 3.0 minimum GPA in the Credential Intern pathway program

\* Specific partnerships may have alternate requirements different from those listed above.

## Degree Requirements

### Required Coursework

- EDES 6608 Research Methods in Special Education *3 semester hours*
- EDES 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities *3 semester hours*
- EDES 6610 Special Topics in Special Education *3 semester hours*
- EDES 6611 Master's Professional Project *3 semester hours*
- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*
- EDUR 6613 Special Education Intern Seminar 1 *2 semester hours*
- EDUR 6614 Special Education Intern Fieldwork 1 *1 semester hours*
- EDUR 6615 Special Education Intern Seminar 2 *2 semester hours*
- EDUR 6616 Special Education Intern Fieldwork 2 *1 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

Total: 35 semester hours

### Additional Requirements

- Application for Master Degree
- Partnership-specific requirements for admission or progression
- Credential Requirements
- Professional Advising
- Exit Interview
- MA Capstone Project
- Research Symposium Participation

## Special Education, M.A. with a Preliminary Education Specialist Credential--Traditional Program

### Contact Information

**Interim Program Director:** Victoria Graf

**Academic Advisor:** Terri Taylor

### Introduction/Overview

The Master of Arts in Special Education combined with the Education Specialist credential prepares candidates from a variety of academic backgrounds to work with students with Mild/Moderate Disabilities. Completion of the program results in a Master of Arts degree in Special Education and a preliminary Education Specialist Mild/Moderate credential. The benefits of this combined M.A. and credential in the area of Special Education include:

- Acquisition of the knowledge and skills needed to create access to learning for students with Mild/Moderate disabilities
- Focus on removing barriers to learning for students with disabilities through the lens of social justice
- Authentic connection and experience working with students with disabilities
- Completion of a combined credential/M.A. program in two years.

All LMU School of Education credential programs meet the California state requirements as specified by the California Commission on Teacher Credentialing (CTC). The institution has not made a determination as to whether the credential program meets the requirements of states outside of California.

### Program Outcomes

As a result of this program, candidates will:

- Demonstrate reflective praxis through a Social Justice lens while actively engaging with all stakeholders, including but not limited to, persons listed in CTC Program Standard 4 (e.g., children, parents, educators, etc.)
- Exhibit knowledge and practice of professional, legal, and ethical standards to show evidence of engagement and educational practices to support all stakeholders
- Cultivate inclusive educational environments for all PK-12 diverse learners through the development and use of positive behavioral, social, and environmental supports for learning
- Apply knowledge of non-biased evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction

## Program Admissions Requirements

- Graduate Application
- Candidate Information Sheet
- 3 Letters of Recommendation
  - At least 1 letter must verify the applicant's experience and familiarity with the elementary school age group.
  - Letters cannot be written by family members or friends.
- Technology Requirement Form
- Statement of Intent
  - 3-5 page essay describing how applicant's experiences, qualities, and goals reflect the School of Education's conceptual framework: REAL (Respect, Educate, Advocate, Lead).
- 2 sealed, official transcripts from all colleges and/or universities attended
- Verification of 20 hours of experience working with culturally diverse youth in the age group applicant plans to teach.
- Professional Resume
- Proof of satisfying California's Basic Skills Requirement
  - Official CBEST passing scores or equivalent
- Subject Matter Competency Test (CSET) Plan of Action
- Certificate of Clearance (COC), including fingerprinting
- Proof of Satisfying the U.S. Constitution Requirement
- Tuberculin Skin Test Results
- Interview with Program Director
- A cumulative undergraduate GPA of 3.0, or a 3.05 in the last 60 undergraduate units, or a 3.0 in at least 9 graduate units
- For applicants who completed an undergraduate/graduate degree outside of the U.S.A.:
  - Transcript evaluations
  - TOEFL or IELTS minimum score

## Program Requirements

### Required Coursework

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning *3 semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning *3 semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling *3 semester hours*
- EDUR 6607 Developing as a Professional Educator *2 semester hours*
- EDES 6608 Research Methods in Special Education *3 semester hours*
- EDES 6609 Advanced Inclusionary Practices for Students with High Incidence Disabilities *3 semester hours*
- EDES 6610 Special Topics in Special Education *3 semester hours*
- EDES 6611 Master's Professional Project *3 semester hours*
- EDES 8000 Health Education *1 semester hours*
- EDCE 5978 Directed Teaching with Students with Mild/Moderate Disabilities *6 semester hours*

One of the following in alignment with target grade level for credential:

- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments *3 semester hours*

- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings *3 semester hours*

And one of the following in alignment with target grade level for credential:

- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) *3 semester hours*

Total: 35 semester hours

## Additional Requirements

- Prerequisite Coursework
- Student Teaching Requirements
- Health Education for Educators
- Professional Advising
- CSET Score Report
- Disposition Rubric
- M.A. Coursework
- Fieldwork Application
- Culminating Fieldwork Requirements
- Comprehensive Examination
- Exit Interview
- Reading Instruction Competence Assessment (RICA)
- Application for Credential
- Application for Master of Arts Degree

## Urban Education, M.A.

### Contact Information

**Program Director:** Maryann Krikorian

**CAST and PLACE Corps Program Director:** Antonio Felix

**Assistant Director (LA Partnerships):** Natasha D'Costa

**Assistant Director (Northern California Partnerships):** Stephanie Serventi

### Introduction/Overview

The Master of Arts in Urban Education (UBED) program is available only to intern candidates who have been admitted to, and are on track for, completion of the Multiple and Single Subject intern credential as well as Education Specialist teaching intern credential. Currently, the program is offered as a 1+1 Teaching Credential and Master of Arts degree, whereby candidates are required to complete credential coursework, concentration coursework, and the research capstone sequence.

The UBED program consists of candidates from existing partnerships which include but are not limited to: Teach for America (TFA), Catholic Archdiocesan School Teachers (CAST), Partners in Los Angeles Catholic Education Corps (PLACE), Wonderful, Rocketship, Green Dot, Knowledge is Power Program (KIPP), Partnerships to Uplift Communities (PUC), and Seneca. Some candidates in their teaching credential program may require additional pre-service coursework, required coursework, and requirements in order to be eligible for credential recommendation and progression into the UBED program. For

specific requirements, please see Multiple Subjects, Single Subject, or Education Specialist teaching credential intern pathways requirements.

The UBED program develops critical educators with the knowledge and dispositions to advocate for educational equity; fosters skillful and ethical researchers who positively impact their respective context; encourages mutuality and collaboration with communities towards transformative relationships; and nurtures an ethic of care, solidarity, and professional responsibility with a particular concentration in one of the following areas:

- Digital Learning
- Educational Policy and Administration
- Language and Culture
- Literacy

The program also enables candidates to develop a deeper understanding of theory, research, and practice in urban education via the Research Capstone Sequence. Upon completion of the program, candidates should be prepared for a doctoral program and to make a significant contribution to the field of urban education.

## Student Learning Outcomes

As a result of this program, candidates will:

1. Analyze the historical, sociocultural, political, and global context of education;
2. Engage in discernment, inquiry, and research to promote equity and inclusion for diverse students and communities;
3. Apply theory and research to professional practice in areas of concentration such as digital learning, educational policy and administration, language and culture, and literacy;
4. Advocate for social justice through collaboration with communities of practice.

## Program Admission Requirements\*

This program is available only to candidates who have been admitted to, and are on track for, completion of the coursework for the Urban Education teaching credential intern pathway programs only.

- Application for M.A. from Credential
- 3.0 minimum GPA in the Credential Intern pathway program

\*Specific partnerships may have alternate requirements different from those listed above.

## Degree Coursework

The program is offered as a 1+1 Teaching Credential and Master of Arts degree, whereby candidates are required to complete credential coursework, concentration coursework, and the research capstone sequence. More specifically, candidates are required to complete one of the following: (a) a minimum of 15 units from any of the Preliminary Multiple Subjects Intern Credential; (b) a minimum of 15 units from any of the Preliminary Single Subjects Intern Credential; or (c) a minimum of 18 units from any of the Preliminary Education Specialist Intern Credential pathway. Candidates must also take between 9-12 units from any of the concentration classes within one of the following concentration areas: (a) Digital learning, (b) Educational Policy and Administration, (c) Language and Culture, and (d) Literacy. Lastly, candidates are required to complete 4-units from the capstone research sequence.

## Preliminary 2042 Multiple Subjects & 2042 Single Subjects Credential

Candidates must take a minimum of 15 units from the Preliminary Education Specialist Intern Credential:

- EDUR 5021 Teaching English Learners 2 *semester hours*
- EDUR 5022 Transformative Pedagogy 1 *semester hours*
- EDUR 5024 Critical Issues in Education 3 *semester hours*
- EDUR 5025 Introduction to Elementary Methods and Literacy 3 *semester hours*
- EDUR 5026 Development of Elementary Methods and Literacy 3 *semester hours*
- EDUR 5027 Introduction to Assessment 1 *semester hours*
- EDUR 5028 Advanced Assessment for Teachers 1 *semester hours*
- EDUR 5029 Introduction to Secondary Mathematics and Literacy 2 *semester hours*
- EDUR 5030 Advanced Secondary Mathematics and Literacy 2 *semester hours*
- EDUR 5031 Introduction to Approaches to Teaching Science and Literacy 2 *semester hours*
- EDUR 5032 Contemporary Approaches to Teaching Science and Literacy 2 *semester hours*
- EDUR 5033 Introduction to Approaches to Teaching Social Science and Literacy 2 *semester hours*
- EDUR 5034 Contemporary Approaches to Teaching Social Science and Literacy 2 *semester hours*
- EDUR 5035 Introduction to Teaching English Language Arts in a Departmentalized Setting 2 *semester hours*
- EDUR 5036 Contemporary Approaches to Teaching English Language Arts in a Departmentalized Setting 2 *semester hours*
- EDUR 5037 Introduction to Teaching World Languages in a Departmentalized Setting 2 *semester hours*
- EDUR 5038 Contemporary Approaches to Teaching World Languages in a Departmentalized Setting 2 *semester hours*
- EDUR 5051 Urban Education Field Experience 1 2 *semester hours*
- EDUR 5052 Urban Education Field Experience 2 2 *semester hours*

## Preliminary Education Specialist Credential

Candidates must take a minimum of 18 units from the Preliminary Education Specialist Intern Credential:

- EDUR 6600 Evidence-Based Assessment Practices to Promote Student Learning 3 *semester hours*
- EDUR 6601 Language and Literacy in Culturally and Linguistically Diverse K-8 Environments 3 *semester hours*
- EDUR 6602 Language and Literacy in Culturally and Linguistically Secondary Settings 3 *semester hours*
- EDUR 6603 Creating and Maintaining Effective Environments in Support of Student Learning 3 *semester hours*
- EDUR 6604 Elementary Instructional Design/Methods (Math, STEM, Social Studies) 3 *semester hours*
- EDUR 6605 Secondary Instructional Design/Methods (Math, STEM, Social Studies) 3 *semester hours*
- EDUR 6606 Developing Collaborative Partnerships for Inclusive Schooling 3 *semester hours*
- EDUR 6607 Developing as a Professional Educator 2 *semester hours*
- EDUR 6613 Special Education Intern Seminar 1 2 *semester hours*
- EDUR 6614 Special Education Intern Fieldwork 1 1 *semester hours*
- EDUR 6615 Special Education Intern Seminar 2 2 *semester hours*
- EDUR 6616 Special Education Intern Fieldwork 2 1 *semester hours*

## Concentrations

For Preliminary 2042 Multiple Subjects and Single Subjects credential candidates, a minimum of 12 units from any concentration classes are required. For Preliminary Education Specialist credential candidates, a minimum of 9 units are required.

Concentration courses are offered in one of the following areas:

### Digital Learning

- EDUR 6102 The Context of Schooling *3 semester hours*
- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDUR 6327 Learning and Teaching with Technology *3 semester hours*
- EDUR 6328 Survey of Digital Technologies for Urban Education *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

## Educational Policy and Administration

- EDUR 6102 The Context of Schooling *3 semester hours*
- EDUR 6324 Technology in Multilingual Settings *3 semester hours*
- EDLA 6427 Advocacy from a Legal Perspective *3 semester hours*
- EDLA 6428 Business of Education *3 semester hours*
- EDLA 6429 Specializing in Charter Schools *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

## Language and Culture

- EDES 5324 Bilingualism and Biliteracy *3 semester hours*
- EDUR 6100 Anthropological Analysis of Cultural Diversity *3 semester hours*
- EDUR 6102 The Context of Schooling *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDES 5320 Chicano/Latino Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 5330 Chinese/American/American-Chinese Cultures: An Interdisciplinary Perspective *3 semester hours*
- EDES 6320 Methodology for Primary Language Instruction in a Bilingual Setting *3 semester hours*
- EDES 6330 Methodology for Chinese Language Instruction in Bilingual Settings *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

## Literacy

- EDES 6001 Theory and Applications in Developmental Reading Instruction *3 semester hours*
- EDES 6002 Assessing the Reading Performance of Struggling Readers *3 semester hours*
- EDES 6003 Detection and Diagnosis of Literacy Difficulties *3 semester hours*
- EDES 6004 Looking at the Classroom Culture through a Linguistic Lens *3 semester hours*
- EDES 6006 Literacy Curriculum and Design Implementation *3 semester hours*
- EDES 6356 Diagnosis and Intervention in Reading--Practicum I *3 semester hours*
- EDLA 6840 Spirituality and Leadership in Catholic School Teaching *3 semester hours*
- EDUR 6998 Special Studies *1 TO 3 semester hours*

## Capstone Research

- EDUR 5018 Research in Urban Education *3 semester hours*
- EDUR 5020 Research Project in Urban Education *1 semester hours*

Total: 31 semester hours

# Minor

## Education Minor

### Contact Information

**Center Senior Director:** Annette Pijuan Hernandez

**Program Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Education minor is offered through the School of Education for students interested in careers in education outside the TK-12 classroom such as in educational policy, educational nonprofit organizations, educational film productions, and museum education. Students may declare a minor so that their Education coursework is acknowledged on their official transcript.

In order to maximize enrollment in Education courses within the undergraduate program, students are strongly encouraged to declare the Education minor early in their career. The Education minor is not applicable to Liberal Studies majors (Multiple Subjects credential students).

Completion of an Education minor does not equal completion of the requirements for a teaching credential. Students may complete the Education minor without completing all of the requirements for a teaching credential.

All candidates must complete the Certificate of Clearance and submit a TB test (within the last 12 months) before receiving permission to enroll in EDES 501 Teaching and Learning in Diverse Communities and EDES 502 Creating and Leading Effective Classroom Environments or EDES 503 Language Theory and Pedagogy: Second Language Acquisition and EDES 504 Assessment to Inform Instruction for Diverse Students. These documents are required for participation in clinical practice.

### Program Outcomes

As a result of this program, candidates will:

- Exhibit professional responsibility and leadership while engaging all stakeholders
- Cultivate an inclusive environment to support all PK-12 student learning
- Cultivate healthy learning environments
- Apply developmentally appropriate instruction to support all PK-12 student learning
- Differentiate authentic assessment methods in using student data to inform instruction and assist all stakeholders

### Program Admission Requirements

- Complete the following two prerequisite courses:
  - EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
  - EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- Maintain a GPA of 3.0 or higher
- Attend a Mandatory Application Information Session

- Please contact the School of Education Enrollment Management Assistant Director to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Minor in Education Application Form
- CTC Certificate of Clearance
- Tuberculin Skin Test Results (within the last 12 months)
- Technology Requirement Form

## Program Requirements

### Required Coursework

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*

Total: 15 semester hours

## Special Education Minor

### Contact Information

**Interim Program Director:** Victoria Graf

**Center Senior Director:** Annette Pijuan Hernandez

**Academic Advisor:** Michael Cersosimo

### Introduction/Overview

The Special Education minor is offered through the School of Education for students interested in careers in special education outside the TK-12 classroom such as in educational policy, educational nonprofit organizations, educational film productions, and museum education. Students may declare a minor so that their Special Education coursework is acknowledged on their official transcript.

In order to maximize enrollment in Special Education courses within the undergraduate program, students are strongly encouraged to declare the Special Education minor early in their career. The Special Education minor is not applicable to Liberal Studies majors (Multiple Subjects credential students).

Completion of a Special Education minor does not equal completion of the requirements for a teaching credential. Students may complete the Special Education minor without completing all of the requirements for a teaching credential.

### Program Outcomes

As a result of this program, candidates will:

- Utilize evidence-based differentiated strategies and implement engaging and developmentally appropriate culturally and linguistically sensitive instruction
- Design lessons based on Universal Design for Learning (UDL) guidelines that are aligned to California content standards
- Exhibit professional responsibility and leadership while engaging all stakeholders
- Apply knowledge of non-biased, evidence-based principles of assessment and interpret data to make appropriate and equitable academic, behavioral, and instructional decisions

## Program Admission Requirements

- Maintain a GPA of 3.0 or higher
- Attend a Mandatory Application Information Session
  - Please contact the School of Education Enrollment Management Assistant Director to attend an information session. Applicants will receive an information packet that includes all application materials and instructions.
- Minor in Education Application Form
- CTC Certificate of Clearance
- Tuberculin Skin Test Results (within the last 12 months)
- Technology Requirement Form

## Program Requirements

### Required Coursework

- EDSP 427 Creating Effective Classrooms in Diverse Settings *3 semester hours*
- EDSP 436 Creating Collaborative Partnerships *3 semester hours*
- EDSP 444 Observation and Participation in General and Special Education Programs *3 semester hours*
- EDSP 453 Introduction to the Study of Disability and Special Education *3 semester hours*
- EDSP 454 Major Issues and Foundations of Special Education *2 semester hours*
- EDSP 455 Development of IEPs for Students with Exceptional Needs *1 semester hours*
- EDSP 498 Special Studies *3 semester hours*

Total: 18 semester hours

# LMU School of Film and Television

## LMU School of Film and Television

### Administration

Dean: Peggy Rajski

Interim Associate Dean of Academic Affairs: Beth Serlin

Associate Dean of Administration and Planning: Kathleen Ruiz

Assistant Dean: Johana Hernandez

### Objectives

The LMU School of Film and Television is committed to preparing students for their creative and professional lives. Through their course work, creative projects, and internships, students will learn the art and craft of communicating ideas through images and sound and writing for the screen. They will also gain an appreciation for the history of these art forms and develop their ability to critically analyze these works. We aim for that delicate balance between theory, technology and the creative impulse--where the balance is always heavily weighted toward the creative and human.

It is important for artists to be aware and considerate of diverse views, yet have the freedom to discover their individual voices and the courage to express their own points of view. As faculty, our most important work is to help our students find those creative voices and express them, because we believe that art is of utmost importance to the human race. We strive to create an atmosphere in which lasting and useful original works are fashioned-by the students and by the faculty and staff. We encourage our students to address a wide audience, to appreciate the contributions of all who labor to tell a story, and to work as part of a community of artists to find new ways to tell new stories.

True to the Loyola Marymount tradition, we also seek to remind students of the ethical and social responsibilities that go with the power of these media, and we encourage them to have a reflective mind and generous spirit as they seek to create works that inform, enlighten, and entertain.

### Graduate Program

#### Degrees Offered

The School of Film and Television offers three Master of Fine Arts (M.F.A.) degrees:

- Film and Television Production (PROD)
- Writing for the Screen (WSCR)
- Writing and Producing for Television (WPTV)

Specific degree requirements are listed under each individual program.

#### Graduate Admission Requirements

All applicants must have a Bachelor's degree from an accredited university. The department welcomes applicants who have received degrees in unrelated fields. There are only a limited number of openings in the graduate School of Film and Television programs, and applications are reviewed and accepted for the Fall semester each year.

Applicants must submit all materials to the Graduate Division by December 4. These materials include: application, \$50 application fee, detailed personal statement, all transcripts, GRE scores (required only if undergraduate GPA is lower than 3.0), two letters of recommendation, and supplemental materials including any creative work in written and/or multimedia formats that illustrate a particular talent or expertise that the applicant would like to highlight for the selection committee. Film and Television Production applicants must submit creative samples (see the SFTV website for specific requirements). Applicants to Writing and Producing for Television or Writing for the Screen programs must submit writing samples (see the SFTV website for specific requirements).

A non-refundable \$1,000 deposit must be submitted with your commitment by the deadline specified on the admissions letter. The deposit is applied toward tuition. Notices are sent on a rolling basis.

June 15 is the deadline to register for Fall classes. Any applicant who does NOT register by this date will forfeit his or her spot, and it will be offered to another student.

## **Undergraduate Program**

### **Degrees Offered**

The School of Film and Television offers the following five degrees:

- Bachelor of Arts in Animation
- Bachelor of Arts in Film, Television, and Media Studies
- Bachelor of Arts in Film and Television Production
- Bachelor of Arts in Recording Arts
- Bachelor of Arts in Screenwriting

Degree requirements are listed under each individual program.

### **Change of Program/Major**

There is a formal application procedure for students who wish to be accepted into the School of Film and Television or who wish to transfer from one SFTV program to another (See the SFTV website for specific requirements). At this time, students will not be considered for internal change of program to the Film and Television Production major. Applications are due on the last day of February for admission to the following Fall semester and on the last day of September for admission to the following Spring semester.

### **Application of General University Requirements**

The University requirements for admission, graduation, and all general rules and regulations of the University as set forth in this Bulletin are applicable to and binding upon all students enrolled in the School of Film and Television.

### **School Curriculum**

The curriculum of the School of Film and Television incorporates required courses in university core, major sequences, and elective courses which complement and enhance the student's major field of concentration.

### **Total Program**

120 semester hours are required for graduation with the following distribution:

- a. a maximum of 36 upper division semester hours in any one department will be accepted toward the 120 semester hours requirement; and
- b. at least 45 semester hours are required from upper division offerings.

Students should consult the Dean's Office for specific policies applicable to the School of Film and Television.

## **Study Abroad**

A semester of international study abroad is recommended. Programs specific to the School of Film and Television are described below. For details on these programs, consult the Study Abroad office.

### **Budapest Film Academy at ELTE, Budapest, Hungary**

Screenwriting Majors and Minors have the opportunity to study Screenwriting, Production, and Film Studies in English with Hungarian and international students in Budapest, Hungary. Two required Screenwriting courses are taught by an LMU professor, with additional courses taught by European experts. Our host is the Budapest Film Academy located on the campus of Eötvös Loránd University (ELTE), the largest university in Hungary. Straddling the Danube River, Budapest is a bustling capital city, home to a thriving film community. Its Central European location shares borders with Austria, Ukraine, Slovakia, Romania, Serbia, Slovenia, and Croatia.

### **Documentary Production at fits, Bonn, Germany**

Students in the Film and Television Production major and the International Documentary Production minor have the opportunity to participate in an intensive documentary production study abroad experience in Bonn, Germany. The program focuses on documentary film production and European media and culture. Courses are taught by both LMU faculty and German instructors. The program's structure includes three-week workshops and immersive, hands-on production training. Cultural opportunities while overseas include film festivals (depending on the season), exhibitions, theater performances, tours of film and television studios, and a trip to Berlin. Participating students will earn 15-18 semester hours of credit, including the production sequence, and will produce a 10-minute documentary that can be distributed or exhibited at festivals or through other channels. The Bonn program includes additional requirements.

### **Summer Study Abroad at Bologna, Italy**

The Il Cinema Ritrovato festival is the largest and most prestigious film restoration festival in the world. It partners with upwards of 25 institutions around the world dedicated to film restoration. Now into its fourth decade of existence, the festival takes place every summer in Bologna, Italy, and is curated by Cineteca di Bologna. It screens upwards of 400 films during the last week in June. Open to all LMU students, this program is designed as an intensive introduction to the History of World Cinema in preparation for exposing students to the festival. For this reason, the program takes place during the first two weeks before the festival, followed by a week after the festival. The program requires registration in FTVS 3700/FTVS 598 (which also fulfills the requirements of FTVS 2100/FTVS 514). Students also have the opportunity to enroll in an elective course from a different SFTV discipline (ANIM, SCRW, PROD, or RECA). This course changes each summer; please contact the Director of the program or the Study Abroad office for more information. Spring Hill College's Italy Center hosts the program in its facilities (dorms, cafeteria, and classrooms) for the entire four-week duration.

## **Animation**

# Faculty

Chairperson: Tom Klein

Professors: José Garcia-Moreno, Tom Klein

Associate Professors: Shane Acker, Rob Burchfield, Adriana Jaroszewicz

## Bachelors

### Animation, B.A.

#### Objectives

The Department of Animation is committed to the teaching of classical animation traditions that persist and extend into modern screen media. An emphasis on storytelling and collaboration provides a framework for students to experience the practice of studio production workflows, including preparations for a lifetime of ever-changing technology.

In four years at LMU, Animation begin with foundational courses in drawing, storyboarding and filmmaking that lead to the production of group animated films in sophomore year, as well as introductions to 3D and interactive animation. The third year marks a shift to upper division elective courses. Then in the senior year, students complete an animated thesis.

The major is interdisciplinary in its reach across both creative and technical disciplines. Our university liberal arts curriculum and its Ignatian educational principles engage animators with the opportunity to be humanistic storytellers and to integrate meaningful themes within their animated work. Each thesis is a capstone of artistic craft that compels a visual story.

#### Animation Student Learning Outcomes

Students will:

- Be ethical and humanistic animation storytellers grounded in traditional skills and innovation.
- Produce, through the unification of technology and artistic expression, creative projects embedded with social and aesthetical relevance.
- Validate and integrate collaborative filmmaking as the foundation of animation workflow process, defined by discipline, self-analysis, and critical thinking.

#### Major Requirements

Lower Division major requirements	34 semester hours
Upper Division major requirements	24 semester hours
Overall Total	120 semester hours

#### Emphasis in the Major

Sophomore reviews by faculty provide a critique of students' overall performance in their first two years. It is also the occasion for each sophomore to petition faculty for approval of a chosen emphasis within the major, either Film Production or Game Design. The choice of an emphasis does not preclude any upper division electives, but it does inform an appropriate selection of courses. This path then culminates in Senior Thesis, wherein students complete an animated film (Animation/Film Production) or animation for interactive media (Animation/Game Design).

### Suggested upper division courses within the Animation/Film Production emphasis include:

- ANIM 310 Intermediate Storyboard *3 semester hours*
- ANIM 330 Intermediate 3D Computer Animation *3 semester hours*
- ANIM 360 Character Design *3 semester hours*
- ANIM 370 Character Animation *3 semester hours*
- ANIM 380 Visual Effects Compositing *3 semester hours*
- ANIM 420 Experimental Animation *3 semester hours*
- ANIM 498 Special Studies *1 TO 3 semester hours*

### Suggested upper division courses within the Animation/Game Design emphasis include:

- ANIM 352 Game Design *3 semester hours*
- ANIM 480 VR Studio *3 semester hours*
- ANIM 498 Special Studies *1 TO 3 semester hours*

## Animation Model Four-Year Plan

- Normal course load is at least 15 semester hours or per semester.
- University core should be selected based on distribution of various disciplines as well as interests and availability.
- Lower division major requirements should be completed by end of sophomore year.
- 45 semester hours of upper division coursework are required; these are comprised of upper division core requirements, upper division major requirements, and upper division electives taken.
- Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult assigned academic advisor.

## Freshman Year

### Fall Semester

- ANIM 100 History of Animation *3 semester hours*
- ANIM 210 Visual Story Development *3 semester hours*
- ART 153 Drawing I *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-17 semester hours

## Spring Semester

- ANIM 120 Beginning Animation Workshop *3 semester hours* (must earn B or higher)
- ART 154 Drawing II: Figure Drawing *3 semester hours*
  
- FTVS 1010 Art of Cinema *4 semester hours* or
- FTVS 1020 Art of Screen Media *4 semester hours*
  
- SCWR 120 Storytelling for the Screen *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

Total: 16-17 semester hours

## Sophomore Year

### Fall Semester

- ANIM 220 Intermediate Animation Workshop *3 semester hours*
- ANIM 260 Digital Toolbox *3 semester hours*
- ART 300 Figure Drawing Workshop *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

### Spring Semester

- ANIM 230 Introduction to 3D Computer Animation *3 semester hours*
- ANIM 250 Introduction to Interactive Animation *3 semester hours*
- ART 300 Figure Drawing Workshop *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-15 semester hours

## Junior Year

### Fall Semester

- ANIM Upper Division Elective *3 semester hours*
- ART 300 Figure Drawing Workshop *1 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

## Spring Semester

- ANIM Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

## Senior Year

### Fall Semester

- ANIM 495 Thesis Project/Pre-Production *3 semester hours*
- ANIM Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-14 semester hours

### Spring Semester

- ANIM 490 Animation Practicum *3 semester hours*
- ANIM 496 Thesis Project/Production *3 semester hours*
- ANIM Upper Division Elective *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

## Minor

### Animation Minor

#### Minor Requirements

The School of Film and Television offers a minor in Animation to all LMU students.

The minor is 18 semester hours consisting of:

- ANIM 100 History of Animation *3 semester hours* or
- ANIM 230 Introduction to 3D Computer Animation *3 semester hours* or
- ANIM 250 Introduction to Interactive Animation *3 semester hours*

- ANIM 120 Beginning Animation Workshop 3 semester hours
- ANIM 210 Visual Story Development 3 semester hours
- Three elective courses (nine semester hours) chosen from 300 and 400 level Animation courses under the direction of the Chairperson.

## Film and Television Arts and Enterprises

Courses offered in Film and Television Arts and Enterprises are designed to supplement the student's major program with studies that encompass all areas of entertainment arts and enterprises.

## Film, Television, and Media Studies

### Faculty

Chairperson: Carla Marcantonio

Associate Professors: Miranda Banks, Susan Torrey Barber, Richard P. Hadley, Jr., Anupama Kapse, Carla Marcantonio, Susan Scheibler

Assistant Professor: Mikki Kressbach

### Bachelors

## Film, Television, and Media Studies, B.A.

### Program Goals

- Students will be able to critically examine the ways in which their own perceptions have been shaped and influenced by media texts such that they may become more thoughtful consumers as well as producers of such texts. Students understand the many ways that media texts reflect, shape and question cultural values, attitudes, and beliefs, including but not limited to representations of race, ethnicity, gender, sexual identity, class, and nationality.
- Students will understand and appreciate the development of cinematic and televisual media within their historical and cultural contexts, including the difference between national and global/transnational approaches to the study of film/media. This includes the different approaches to the study of film and other screen media, particularly, but not limited to, how they are informed by auteur studies, genre studies, or the study of specific cycles and movements.
- Students will gain the necessary tools to analyze, write and communicate critically about media texts.

### Learning Outcomes

- Students will be able to deconstruct and describe the basic elements of film and television language.
- Students will differentiate between a visual text's form and content.
- Students will be able to execute close-readings and interpretations of visual texts.

- Students will be able to engage critically on topics of representation (e.g., race, gender, class, etc.).
- Students will be able to identify the context to which a particular film/visual text belongs (e.g., what national or transnational tradition, or what key movement, etc.).
- Students will distinguish approaches to the study of media (e.g., auteur studies, genre studies, reception studies, national vs. transnational lens, etc.).
- Students will engage effectively with critical/theoretical readings by integrating them into their own argumentative essays and/or oral/visual presentations.

## Major Requirements

### FOUNDATIONS: Five required courses (19 semester hours):

These courses set up the foundations for the study/analysis of film and media. In general, these courses are mostly survey-style courses that establish a historical and aesthetic overview of the medium.

- FTVS 1010 Art of Cinema *4 semester hours*
- FTVS 1020 Art of Screen Media *4 semester hours*
- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours*
- FTVS 3320 Introduction to Film/Media Theory *4 semester hours*
- One course (3 semester hours), selected from: ANIM 120 Beginning Animation Workshop; PROD 101 Production Bootcamp: The Film Crew at Work; SCWR 120 Storytelling for the Screen

### NATIONAL/REGIONAL FOCUS: Two courses required (8 semester hours)

These courses emphasize national or transnational modes of studying film, focus on a deeper understanding of critical/theoretical paradigms, and require students to integrate the skills learned in the previous levels.

- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours*
- FTVS 2120 TV Studies *4 semester hours*
- FTVS 2127 Global TV Studies *4 semester hours*
- FTVS 4410 American Cinema *4 semester hours*
- FTVS 4420 European Cinema *4 semester hours*
- FTVS 4437 Asian Cinema *4 semester hours*
- FTVS 4447 African/Middle Eastern Cinema *4 semester hours*
- FTVS 4457 Latin American Cinema *4 semester hours*
- FTVS 4467 South Asian Cinema *4 semester hours*

### ELECTIVE COURSES: Four courses (16 semester hours)

These courses round-off student's knowledge of film and allow those who would like to do so to pursue specific areas of interest. These courses reinforce concepts learned in lower-division courses and further develop issues pertaining to narrative and visual structure, uses of technology, and issues of representation (gender, race, class, etc.).

- FTVS 2130 Documentary Film/Media *4 semester hours*
- FTVS 2137 Global Documentary Film/Media *4 semester hours*
- FTVS 3200 Motion Picture Colloquium *4 semester hours*
- FTVS 3210 Visual and Textual Analysis *4 semester hours*
- FTVS 3220 Analysis of Video Games *4 semester hours*

- FTVS 3230 Technology/Aesthetics *4 semester hours*
- FTVS 3300 Women in Film *4 semester hours*
- FTVS 3310 Film/Media and Social Justice *4 semester hours*
- FTVS 4500 Film Authors *4 semester hours*
- FTVS 4507 Global Film Authors *4 semester hours*
- FTVS 4510 TV Authors *4 semester hours*
- FTVS 4600 Film Genre *4 semester hours*
- FTVS 4607 Global Film Genre *4 semester hours*
- FTVS 4610 TV Genre *4 semester hours*
- FTVS 4617 Global TV Genre *4 semester hours*
- FTVS 4700 Special Topics Theory/History *4 semester hours*
- FTVS 4707 Global Topics Theory/History *4 semester hours*

**NON-WESTERN/TRANSNATIONAL EMPHASIS: A total of three (these courses have to be chosen from the above categories, no extra units)**

In recent years, the study of film has moved away from analyses that focus on a single national tradition. In order to prepare students that are well-rounded in their knowledge of the field we will require them to be conversant in non-Western media as well as in transnational modes of study. These courses may include Western film/media as long as the course offers a transnational analysis. For shorthand purposes, these courses are labeled "global" (also discernible by ending with the number 7, refer to courses above).

## Model Four-Year Plan

- Normal course load is 16 semester hours of 4-5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students may take courses in a modified order with written permission of the Chair and Associate Dean.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

## Freshman Year

### Fall Semester

- FTVS 1020 Art of Screen Media *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- FTVS 1010 Art of Cinema *4 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*

- SFTV Creative Core *3 semester hours*  
*selected from ANIM 120, PROD 101, SCWR 120*
- University Core *3-4 semester hours*

Total: 14-15 semester hours

## Sophomore Year

### Fall Semester

- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-16 semester hours

### Spring Semester

- FTVS 3320 Introduction to Film/Media Theory *4 semester hours*
- FTVS National or Regional Topic selected from FTVS 2120, FTVS 2127, FTVS 4410, FTVS 4420, FTVS 4447, FTVS 4457, or FTVS 4467 *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 14-16 semester hours

## Junior Year

### Fall Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- FTVS National or Regional Topic selected from FTVS 2120, FTVS 2127, FTVS 4410, FTVS 4420, FTVS 4447, FTVS 4457, or FTVS 4467 *4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 14-16 semester hours

### Spring Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS

4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*

- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

### Spring Semester

- FTVS Elective selected from FTVS 2130, FTVS 2137, FTVS 3200, FTVS 3210, FTVS 3220, FTVS 3230, FTVS 3300, FTVS 3310, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4517, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617, FTVS 4700, FTVS 4707 (two of four electives must have a National/Regional Focus and be selected from courses ending in 7) *4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*
- Upper Division Elective *3-4 semester hours*

Total: 13-16 semester hours

## Minor

### Film, Television, and Media Studies Minor

#### Minor Requirements

The School of Film and Television offers a minor in Film, Television, and Media Studies to all LMU students.

If you are an SFTV major wishing to add this minor, please contact the Film, Television, and Media Studies Department Chair to review your options.

The minor is 20 semester hours consisting of:

- FTVS 1010 Art of Cinema *4 semester hours*  
or
- FTVS 1020 Art of Screen Media *4 semester hours*
  
- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours*  
or
- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours*
  
- One Genre/Authors course, chosen from FTVS 2130, FTVS 2137, FTVS 4500, FTVS 4507, FTVS 4510, FTVS 4600, FTVS 4607, FTVS 4610, FTVS 4617
- One National Film/International Television course, chosen from FTVS 2127, FTVS 4420, FTVS 4437, FTVS 4447, FTVS 4457, FTVS 4467
- One elective course (four semester hours) chosen from any upper division FTVS course.

## Film and Television Studies

Film and Television Studies courses (FTVS) are offered by the School of Film and Television.

## Film and Television Production

### Faculty

Chairperson: Mikael Kreuzriegler

Professors: Glenn Gebhard, Rev. Luís Proença, Charles Swanson, Donald Zirpola

Associate Professors: Mikael R. Kreuzriegler, Sharon Mooney, Margaret Murphy, Vanessa Newell, Gregory Ruzzin

Assistant Professors: Leena Pendharkar, Kennedy Wheatley

### Bachelors

## Film and Television Production, B.A.

### Film and Television Production Student Learning Outcomes

#### Film History and Context

By studying a diverse canon of great films and filmmakers, students will gain a broad understanding of the history and socio-historical contexts of American and global film, television, and emerging media to inspire them to create transformative works of their own.

#### Storytelling

Students will master the methods of visual storytelling--through screenwriting, camera placement and movement, lighting, blocking and performance, post-production picture and sound--to create content with unique cinematic expression and engaging dramatic structure.

### **Technical Proficiency**

Students will demonstrate mastery of the components and processes in at least one of the following areas of specialization: Creative Producing, Fiction Directing, Non-Fiction Directing, Cinematography, or Post-Production.

### **Voice and Creativity**

By analyzing past historical works and applying technical and storytelling skills, students will be able to produce works with a strong personal voice that show vision and imagination.

### **Collaboration**

Students will work constructively to problem solve and collaborate in diverse teams to create impactful media.

## Major Requirements

### Lower Division Requirements

#### Foundational Courses

- FTVS 1010 Art of Cinema *4 semester hours*
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- SCWR 120 Storytelling for the Screen *3 semester hours*

#### Introductory Courses

- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours*
- Any PROD 300- or 400-level course *3 semester hours* (consult this Bulletin for sequence and prerequisite details)
- RECA 250 Sound Design *3 semester hours*

### Upper Division Requirements

#### Technical Skills

- PROD 341 Cinematography I *3 semester hours*
- PROD 366 Post-Production I *3 semester hours* (may be taken concurrently with PROD 390 or PROD 392)
- PROD 379 Directing I: From Script to Stage *3 semester hours*

#### Preparing the Intermediate Project

- PROD 326 Intermediate Pre-Production: Producing the Documentary Short *3 semester hours* or
- SCWR 327 Developing and Writing the Short Film *3 semester hours*

## Intermediate Project

- PROD 390 Intermediate Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 392 Intermediate Production: Producing and Directing the Documentary Short *3 semester hours*
  
- RECA 367 Sound for Filmmakers *3 semester hours* (must be taken concurrently with PROD 390 or PROD 392)

## Advanced Project

- PROD 490 Advanced Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 492 Advanced Production: Producing and Directing the Documentary Short *3 semester hours* or
- PROD 460 Capstone Experience: Advanced Practicum *3 semester hours*
  
- PROD 466 Advanced Editing: Practicum for Editors *3 semester hours* or
- PROD 440 Cinematography III: Practicum for Cinematographers *3 semester hours*  
or
- PROD 464 Visual Effects *3 semester hours* or
- PROD 489 Advanced Directing Seminar *3 semester hours* or
- PROD 480 Advanced Production Seminar *1 TO 3 semester hours*

## Film and Television Production Model Four-Year Plan

- Normal course load is 15 semester hours or 4-5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

## Freshman Year

### Fall Semester

- FTVS 1010 Art of Cinema *4 semester hours*
- FTVS 1020 Art of Screen Media *4 semester hours* (Recommended)
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 17-19 semester hours

### Spring Semester

- SCWR 120 Storytelling for the Screen *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

- Elective *3-4 semester hours*

Total: 15-19 semester hours

## Sophomore Year

### Fall Semester

- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours*
- RECA 250 Sound Design *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-14 semester hours

### Spring Semester

- PROD 250 Writing, Producing, and Directing Episodic Television *3 semester hours* or
- Any 300- or 400-level Production course *3 semester hours* (may be taken any semester)
- PROD 341 Cinematography I *3 semester hours*
- PROD 379 Directing I: From Script to Stage *3 semester hours*
- FTVS 2100 World Cinema 1 (1895-1955) *4 semester hours* or
- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours*
- University Core *3-4 semester hours*

Total: 16-17 semester hours

## Junior Year

### Fall Semester

- PROD 326 Intermediate Pre-Production: Producing the Documentary Short *3 semester hours* or
- SCWR 327 Developing and Writing the Short Film *3 semester hours*
- FTVS Upper Division Elective *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

### Spring Semester

- PROD 390 Intermediate Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 392 Intermediate Production: Producing and Directing the Documentary Short *3 semester hours*
  
- PROD 366 Post-Production I *3 semester hours* (may be taken concurrently or before PROD 390 or PROD 392)
  
- RECA 367 Sound for Filmmakers *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall or Spring Semesters

- PROD 490 Advanced Production: Producing and Directing the Fiction Short *3 semester hours* or
- PROD 492 Advanced Production: Producing and Directing the Documentary Short *3 semester hours* or
- PROD 460 Capstone Experience: Advanced Practicum *3 semester hours*
  
- PROD 466 Advanced Editing: Practicum for Editors *3 semester hours* or
- PROD 440 Cinematography III: Practicum for Cinematographers *3 semester hours* or
- PROD 464 Visual Effects *3 semester hours* or
- PROD 489 Advanced Directing Seminar *3 semester hours* or
- PROD 480 Advanced Production Seminar *1 TO 3 semester hours*
  
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Masters

## Film and Television Production, M.F.A.

### Objectives

The School of Film and Television's major in Film and Television Production is designed to enable students to express their ideas on the screen—whether that screen is in a theater, at home, or held in one's hand. Beyond the existing television and theatrical feature landscape, new forms of media empower a single person to be both a worldwide broadcaster and a very selective receiver. Digital technologies have created new ways of working that transcend the traditional distinctions between film and television. The Film and Television Production major combines the best of both of these fields.

Students admitted to this rigorous major become quickly immersed in the art of storytelling for the screen. They encounter and study great works of world cinema, both past and present, and ponder the ramifications of the emerging media of the future. They

receive expert hands-on training in writing the screenplay, directing actors, cinematography, sound recording and design, and editing. In the process, each student learns about the challenging relationship between art and technique, and how both serve each other. Students learn the practical aspects of mounting a production: budgeting, location scouting, casting, set design and construction, post production, and the importance of safety in all aspects of what they do. Complete premier state of the art equipment and technology are available 24/7--all in service of story. Through teamwork, students learn an appreciation for all of the artists who labor to serve the story, and the camaraderie that comes from working as part of a crew engaged in a large, collaborative creative enterprise.

Students also learn to find their individual voices, and express their own points of view, on projects driven by their own creative choices. Beginning with their work on a series of short and intermediate films, students forge the fundamental skills of visual storytelling. Each student's experience culminates with a final project in which advanced students create their own thesis films.

## Film and Television Production Student Learning Outcomes

### **Film History and Context**

By studying a diverse canon of great films and filmmakers, students will gain a broad understanding of the history and socio-historical contexts of American and global film, television, and emerging media to inspire them to create transformative works of their own.

### **Storytelling**

Students will master the methods of visual storytelling--through screenwriting, camera placement and movement, lighting, blocking and performance, post-production picture and sound--to create content with unique cinematic expression and engaging dramatic structure.

### **Technical Proficiency**

Students will demonstrate mastery of the components and processes in at least one of the following areas of specialization: Creative Producing, Fiction Directing, Non-Fiction Directing, Cinematography, or Post-Production.

### **Voice and Creativity**

By analyzing past historical works and applying technical and storytelling skills, students will be able to produce works with a strong personal voice that show vision and imagination.

### **Collaboration**

Students will work constructively to problem solve and collaborate in diverse teams to create impactful media.

## M.F.A. in Film and Television Production Requirements

First Semester Requirements	<i>12 semester hours</i>
Program Requirements	<i>39 semester hours</i>
Thesis Requirements	<i>9 semester hours</i>
<b>Overall Total</b>	<b>60 semester hours</b>

## M.F.A. in Film and Television Production Guidelines

- Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Consult assigned academic advisor.
- First semester courses (PROD 500, PROD 541, PROD 566, and SCWR 501) must be completed with a grade of B- or higher. Failure to do so may lead to disqualification from the program, based on review of an exceptions committee. Students who receive a grade lower than a B- in any class may not continue with the standard sequence until they repeat the course when it is next offered. A course may be repeated only once. If a passing grade of B- is received, the student may continue with the standard course sequence in the program.
- Thesis requirements are specific to the student's selected Specialization, detailed below. Consult the Graduate Director regarding requirements for Advancement to Candidacy and Thesis Submittal.
- Probation/Dismissal: See Academic Standing in Academic Degree Requirements and Policies.
- SAFETY: Since the School of Film and Television is fully committed to safety and sensible risk management, every student will be required to adhere to all safety and risk management policies. The School considers violation of the Safety and Risk Management policies infractions of the LMU Student Honor Code. In accordance with the Honor Code guidelines and process, disciplinary measures may range from warnings, to failure in the course to expulsion from the University. Additionally, any footage acquired during the commission of a violation of these policies will be disallowed from the project. Students in violation of SFTV policies also risk suspension of privileges. Privileges include access to SFTV Production and Post Production resources and equipment and participating at the end of the semester screenings. When a violation occurs, the instructor, the appropriate department chair, HOPA, and the graduate director will meet to determine whether and to what extent the student shall incur temporary loss of privileges, or they may jointly make a recommendation to the dean for permanent loss of privileges.

## Three-Year Plan

### First Year

#### Fall Semester

- PROD 500 Directing the Short Film I: Vision and Exploration *3 semester hours* (must earn B- or higher)
- PROD 541 Introduction to Cinematography *3 semester hours* (must earn B- or higher)
- PROD 566 Introduction to Post-Production *3 semester hours* (must earn B- or higher)
- SCWR 501 Production Fundamentals for Writing for the Screen *3 semester hours* (must earn B- or higher)

#### Spring Semester

- PROD 530 Intermediate Documentary Pre-Production *3 semester hours* or
- SCWR 530 Developing the Short Film *3 semester hours*
- PROD 550 Directing the Short Film II: Visual Storytelling *3 semester hours* (must earn B- or higher)
- PROD 570 Production Planning *3 semester hours*
- RECA 500 Sound for Production *3 semester hours*

### Second Year

#### Fall Semester

- PROD 600 Directing the Short Film III: Directing Actors *6 semester hours* (must earn B- or higher)
- RECA 567 Seminar in Sound *3 semester hours*
- DECLARATION OF SPECIALIZATION--Students declare one of the following specializations:

## Cinematography Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- PROD 567 Practicum in Color Correction *3 semester hours*
- PROD 649 Cinematography Master Class *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

### Third Year

#### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 649 Cinematography Master Class *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 666 Advanced Editing, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

#### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 666 Advanced Editing, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. *3 semester hours*

### Final Deliverables--Cinematography Specialization

- 2-3 minute cinematography reel
- Online portfolio/website
- A completed personal marketing package
- Shoot a minimum of four short films and provide links. At least two film must be Graduate Thesis Projects (in PROD or WPTV). Undergraduate senior thesis can make up the two other projects.

## Creative Producing Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- PROD 633 Developing, Selling, and Monetizing Digital Content *3 semester hours*
- PROD 635 Film and Television Development *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

## Third Year

### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 639 Producing Master Class *3 semester hours*
- SCWR 685 Entertainment Business Affairs *3 semester hours*

### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level *3 semester hours*

## Final Deliverables--Creative Producing Specialization

- Work as a Producer on at least two Graduate Thesis projects, managing the project from pre-production through post-production. Submit links to finished films and a three-page reflection on the experience.
- Complete a Thesis Project, consisting of a bible, pitching materials, business marketing strategy, pitch presentation for industry, and a look book.
- A web series idea composed of either a written treatment and visual pitch OR a completed digital proof of concept (POC).
- A rip/tone reel or visual sales tool for the web series.

## Directing Fiction Specialization

### Second Year

### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- SCWR 620 Writing the Production Thesis Screenplay *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, PROD 685 Advanced Production Seminar (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

## Third Year

### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 650 Thesis Project I: Pre-Production and Production *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, PROD 685 Advanced Production Seminar (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, PROD 685 Advanced Production Seminar (topics specified by Chair), SCWR 551 Feature Screenwriting: Writing and Producing for TV, or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. *3 semester hours*

## Final Deliverables--Directing Fiction Specialization

- Completed fiction film 8-15 minutes in length
- Festival plan and promotional materials

## Directing Non-Fiction Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- PROD 626 Pre-Production for Documentary Thesis *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

## Third Year

### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 650 Thesis Project I: Pre-Production and Production *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

## Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours* (must earn B- or higher)
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 664 Visual Effects, PROD 666 Advanced Editing, PROD 680 Advanced Directing Seminar, or PROD 685 Advanced Production Seminar (topics specified by Chair). Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*
- FTVS Elective--Film, Television, and Media Studies: Select one course (or three semester hours) from FTVS 500 or 600 level. *3 semester hours*

## Final Deliverables--Directing Non-Fiction Specialization

- Completed non-fiction film 15-30 minutes in length
- Festival plan and promotional materials

## Editing Specialization

### Second Year

#### Spring Semester

- FTVS 513 Seminar in American Film *3 semester hours*
- Advanced Elective: Select six semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 649 Cinematography Master Class, PROD 685 Advanced Production Seminar (topics specified by Chair), or SCWR 635 Advanced Motion Picture Script Analysis. Nine semester hours are required for the degree. Other courses by permission only. *6 semester hours*
- FTVA 688 Intern Practicum *0 TO 3 semester hours* (enroll in 0 semester hours)

### Third Year

#### Fall Semester

- FTVS 514 Seminar in International Film *3 semester hours*
- PROD 666 Advanced Editing *3 semester hours*
- Advanced Elective: Select three semester hours from PROD 598 Special Studies (topics specified by Chair), PROD 649 Cinematography Master Class, PROD 685 Advanced Production Seminar (topics specified by Chair), or SCWR 635 Advanced Motion Picture Script Analysis. Nine total semester hours are required for the degree. Other courses by permission only. *3 semester hours*

#### Spring Semester

- PROD 675 Thesis Portfolio *3 semester hours*

## Final Deliverables--Editing Specialization

- 2-5 minute editing reel
- Online portfolio/website
- Trailers for completed films
- 25 to 60 minutes of edited content for Graduate Thesis films (PROD or WPTV). Must include a minimum of two projects.
- Post-production schedules, budgets, and workflows for each project

## Minor

### International Documentary Production Minor

The Undergraduate International Documentary Minor Program is dedicated to the development of authentic voices for the advancement of social justice through the production of documentaries that make a difference. The program is committed to the intellectual, creative, ethical, and professional growth of students, and strives to achieve this through an integrated and international curriculum that instructs and inspires its students to cultivate individual artistic sensibilities and conscientious perspectives. It is required that students as part of the Program will study for one semester in an International environment.

### Learning Outcomes of the Minor in International Documentary Production

Upon completing the program, students with a minor in International Documentary Production will know:

- The basic techniques of visual storytelling
- The basic processes of producing, directing, cinematography, editing, sound recording and design, and set design, while developing leadership and teamwork skills in the documentary format
- The current technologies involved in the creation of documentary production.

Upon completing the program, students with a minor in International Documentary Production will be able to:

- Clearly communicate real life story, theme, and concept in their works
- Apply learned techniques of film production to creative works of their own
- Give constructive feedback and implement revision of their own creative work based on feedback received
- Balance creative and organizational skills
- Practice teamwork, while developing leadership skills
- Create and treat content in innovative and imaginative ways.

## Minor Coursework

(18 semester hours)

- PROD 210 Introduction to Documentary Production *3 semester hours* (taught in Bonn, Germany)
- PROD 328 International Documentary Pre-Production *3 semester hours*
- PROD 340 Introduction to Cinematography Non-Fiction *3 semester hours* (taught in Bonn, Germany)

- PROD 355 International Documentary Production *3 semester hours* (taught in Bonn, Germany)
- PROD 367 Editing for Non-Majors *3 semester hours* (taught in Bonn, Germany)
- RECA 330 Sound Design for Documentary *3 semester hours* (taught in Bonn, Germany)

## Recording Arts

### Faculty

Chairperson: Rodger Pardee

Professors: Kurt Daugherty, Mladen Milicevic, Rodger Pardee

### Bachelors

## Recording Arts, B.A.

### Objectives

Recording Arts students explore the theoretical and practical elements of sound recording, reproduction, and design—the fundamentals crucial to successful work in all media that tap into the creative power of sound.

Given the enormous influence of these media, it is vital that these studies are given perspective by courses in LMU's Liberal Arts core curriculum. Recording Arts students are also required to take one music class that deals with the fundamentals of music theory. In upper division courses, students study the science of sound behavior, reproduction, and modification. They learn audio techniques that apply to both film/television sound and music recording.

The SFTV sound stages, studios, and audio workstations are the laboratories where students put their knowledge and creativity to work and build a portfolio. Each Recording Arts student gains experience with film and television sound production and produces an advanced recording arts senior project. Creative collaboration is key to success in this field.

## Recording Arts Student Learning Outcomes

Recording Arts students will understand:

- The physical and psychoacoustic properties of sound
- The techniques of making, editing, and processing sound recordings
- The aesthetic contribution of sound to media.

Recording Arts students will be able to:

- Make technically competent recordings of music as well as production and post-production sound for film and television media
- Effectively edit and process sound for those media
- Create technically competent and aesthetically pleasing mixes for those media.

Recording Arts students will value:

- The transformative power of challenging and meaningful art
- The collaborative and rigorous nature of working in sound for music, film, and television
- The cultural impact and significance of this media—past, present, and future.

## Recording Arts Model Four-Year Plan

- Normal course load is 15-16 semester hours or 4-5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students often take courses in a modified order.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

### Freshman Year

#### Fall Semester

- FTVS 1010 Art of Cinema *4 semester hours* or
- FTVS 1020 Art of Screen Media *4 semester hours*
- MUSC 104 Fundamentals of Music *3 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*

Total: 14-15 semester hours

#### Spring Semester

- RECA 220 Fundamentals of Sound *3 semester hours* (must earn B or higher)
- MUSC 107 The Piano Experience *3 semester hours* (may test out per RECA chair)
- PROD 200 Introduction to Film Production: Making the Short Film *3 semester hours* or
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*

Total: 15-16 semester hours

### Sophomore Year

#### Fall Semester

- RECA 250 Sound Design *3 semester hours* (must earn B or higher)
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-15 semester hours

### Spring Semester

- RECA 258 Sound Editing for Screen Arts *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

### Junior Year

#### Fall Semester

- RECA 322 Recording Technology *3 semester hours*
- RECA 353 Sound on Set: Production Sound Techniques *3 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-14 semester hours

### Spring Semester

- RECA 358 Post-Production Sound *3 semester hours*
- RECA 361 Capturing Live Music *3 semester hours*
- RECA 362 Audio Software Applications *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-17 semester hours

### Senior Year

#### Fall Semester

- RECA 461 Multi-Track Studio Recording *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-19 semester hours

## Spring Semester

- RECA 464 Advanced Audio *3 semester hours*
- RECA 470 Senior Capstone Portfolio *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Screenwriting

### Faculty

Chairperson: Karol Hoeffner

Professors: Marilyn Beker, Stephen V. Duncan, Beth Serlin, Stephen Ujlaki

Associate Professors: Jeffrey Davis, Aurorae Khoo, Mark Evan Schwartz

Assistant Professors: David Clawson, Karol Hoeffner

Clinical Professors: Paul Chitlik, Michael F.X. Daley, Michelle Gillie, Patricia K. Meyer, Marc Pitre, Thomas Szollosi

## Screenwriting Graduate Program

**Graduate Director:** Patricia K. Meyer

### Bachelors

#### Screenwriting, B.A.

##### Objectives

- Students will be stimulated and engaged by a rich and challenging pre-professional undergraduate curriculum that spans the art, craft, and business of screenwriting.
- Students will understand and demonstrate the theoretical, aesthetic, and practical elements of film, television, and emerging new media story development and script writing.

##### Learning Outcomes of the B.A. Program in Screenwriting

- Students will demonstrate an understanding of the dynamics of storytelling required for film, television, and new and emerging media.

- Students will demonstrate competency in developing stories and writing scripts for multiple media platforms.
- Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will create a portfolio of screenplays and teleplays in which structure, character development, dialogue, tone, and theme are clearly demonstrated.
- Students will demonstrate proficiency in analyzing the influences of film, television, and new and emerging media on our culture, and vice versa.
- Students will demonstrate competency in discussing the aesthetics of film, television, and new and emerging media.
- Students will demonstrate the ability to offer constructive criticism and collaborate with others in a writer's group.

## Screenwriting Major Requirements

### Lower Division Requirements

#### Foundations

- FTVS 1010 Art of Cinema *4 semester hours*
- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*

#### Preparing the First Feature

- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours* or
- Any FTVS 2000-, 3000-, or 4000-level course *4 semester hours*
- SCWR 220 Feature Story Development *3 semester hours* (must earn B or higher)

### Upper Division Requirements

#### Intermediate Coursework

- SCWR 320 Feature Screenplay: Writing the First Draft *3 semester hours*
- SCWR 325 Writing the Comedy TV Series Spec *3 semester hours* (may be taken concurrently with SCWR 320) or
- SCWR 326 Writing the Drama TV Series Spec *3 semester hours*
- SCWR 321 Rewriting the Feature Screenplay *3 semester hours*
- SCWR 428 Adaptation: Source to Screen *3 semester hours*
- SCWR 329 Directing for Screenwriters *3 semester hours* (may be taken either semester senior year)

#### Advanced Coursework

- SCWR 420 Writing the Senior Project: Feature Screenplay or TV Pilot *3 semester hours* (may be completed as a feature script or television pilot)
- SCWR 421 Rewriting the Senior Project: Feature Screenplay or TV Pilot *3 semester hours*

## Screenwriting Model Four-Year Plan

- Normal course load is 15 semester hours or 5 courses per semester.
- Consult your advisor regarding proper course sequencing and course selection for the major.
- Suggested sequence, but students may take courses in a modified order with written permission of the chair and Associate Dean.
- All students must complete six flags to graduate. Each student is responsible for ensuring she/he fulfills all graduation requirements.

## Freshman Year

### Fall Semester

- FTVS 1010 Art of Cinema *4 semester hours*
- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- Elective *3-4 semester hours*

Total: 10-12 semester hours

### Spring Semester

- PROD 101 Production Bootcamp: The Film Crew at Work *3 semester hours*
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Sophomore Year

### Fall Semester

- FTVS 2117 World Cinema 2 (1955-1990) *4 semester hours* or
- Any 3000- or 4000-level FTVS course *4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-15 semester hours

### Spring Semester

- SCWR 220 Feature Story Development *3 semester hours* (must earn B or higher)
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

- Elective *3-4 semester hours*

Total: 15-19 semester hours

## Junior Year

### Fall Semester

- SCWR 320 Feature Screenplay: Writing the First Draft *3 semester hours*
- SCWR 325 Writing the Comedy TV Series Spec *3 semester hours* or
- SCWR 326 Writing the Drama TV Series Spec *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 12-14 semester hours

### Spring Semester

- SCWR 321 Rewriting the Feature Screenplay *3 semester hours*
- SCWR 428 Adaptation: Source to Screen *3 semester hours*
- FTVS Upper Division Elective *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

## Senior Year

### Fall Semester

- SCWR 329 Directing for Screenwriters *3 semester hours* (may also be taken in the Spring of the senior year)
- SCWR 420 Writing the Senior Project: Feature Screenplay or TV Pilot *3 semester hours*
- University Core *3-4 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

Total: 15-18 semester hours

### Spring Semester

- SCWR 421 Rewriting the Senior Project: Feature Screenplay or TV Pilot *3 semester hours*
- Elective *3-4 semester hours*
- Elective *3-4 semester hours*

- Elective 3-4 semester hours

Total: 12-15 semester hours

## Masters

## Writing and Producing for Television, M.F.A.

### Objectives

- Students will prepare for specific careers in film, television, and new and emerging media through a highly professional and challenging graduate curriculum.
- Students will demonstrate the application of the theoretical, aesthetic, and practical elements of film, television, and emerging new media, story development, and script writing at a professional level suitable for pursuing a career in academia and/or the entertainment industry.

### Learning Outcomes

- Students will demonstrate, through a portfolio of long- and short-form teleplays, mastery of story development, character development, storytelling structure, and cinematic style.
- Students will demonstrate the ability to pitch stories and scripts to producers, managers, agents, studios, cable outlets, and networks.
- Students will demonstrate proficiency in producing and executing a television production by creating a short reel that is reflective of a larger project.
- Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will develop entrepreneurial skills by creating relationships with outside organizations through internships, mentorships, and designated courses and workshops.
- Students will demonstrate the fundamental business skills required for working effectively with producers, managers, agents, and the Writers Guild of America.
- Students will learn to analyze the influences of film, television, and emerging media on our culture, and vice versa.

## M.F.A. Writing and Producing for Television

The goal of the M.F.A. program in Writing and Producing for Television is to train hyphenates--writer-producers--who will become the creative leaders of television programming. Progressing from the core courses, the television writing student must complete a portfolio, which consists of a "spec" teleplay (either comedy or drama), two original television pilots (one-hour and half-hour), and write and produce a short digital project that is representative of a larger work. Students can also take writing electives such as transmedia, video-game writing, or playwriting. Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult assigned academic advisor.

Students must maintain a "B" (3.0) average to remain in good academic standing. Students who fall below a B average will be placed on academic probation and will have one semester to bring their grade average up to a B.

At the end of the first and third semesters, students are required to attend an MFA Performance Review with the department faculty to discuss his/her overall cumulative progress in the program. Letters will be sent to each student following this meeting to say he/she is either performing in an exceptional way, a satisfactory way, or an unsatisfactory way. In the last case the student

will be placed on academic probation. Academic probation will require another meeting at the end of the following semester. If the student does not meet the required standards, he/she will be dismissed from the program.

## M.F.A. in Writing and Producing for Television Requirements

Major Requirements	45 semester hours
Thesis Requirements	6 semester hours
<b>Overall Total</b>	<b>51 semester hours</b>

### First Year

#### Fall Semester

- SCWR 511 Production Fundamentals for Writing and Producing for TV *3 semester hours (must earn B or higher)*
- SCWR 550 Elements of Television Writing *3 semester hours (must earn B or higher)*
- FTVS 511 Television History *3 semester hours (must earn B or higher)*

#### Spring Semester

- SCWR 660 Writing the Drama TV Series Spec *3 semester hours or*
- SCWR 670 Writing the Comedy TV Series Spec *3 semester hours*
- SCWR 554 The TV Writers Room *3 semester hours*
- SCWR 551 Feature Screenwriting: Writing and Producing for TV *3 semester hours*

### Second Year

#### Fall Semester

- SCWR 661 Writing an Original Drama Pilot *3 semester hours*
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours*
- SCWR Writing Elective *3 semester hours (must select any one course from SCWR 500 or 600 level)*

#### Spring Semester

- SCWR 611 Planning Ahead: Producing Fundamentals *3 semester hours*
- SCWR 675 Rewriting the Television Pilot: Comedy and Drama *3 semester hours*
- SCWR Elective Writing *3 semester hours (must select any one course from SCWR 500 or 600 level)*

### Third Year

## Fall Semester

- SCWR 680 Preproduction for Thesis Project *3 semester hours*
- SCWR 685 Entertainment Business Affairs *3 semester hours*
- SCWR Elective Writing *3 semester hours (must select any one course from SCWR 500 or 600 level)*

## Spring Semester

- SCWR 681 Post-Production for Thesis Project *3 semester hours*
- SCWR 692 Feature Film and Television Portfolio Workshop *3 semester hours*

## Writing for the Screen, M.F.A.

### Objectives

- Students will prepare for specific careers in film, television, and new and emerging media through a highly professional and challenging graduate curriculum.
- Students will demonstrate the application of the theoretical, aesthetic, and practical elements of film, television, and emerging new media, story development, and script writing at a professional level suitable for pursuing a career in academia and/or the entertainment industry.

### Learning Outcomes

- Students will demonstrate, through a portfolio of screenplays and teleplays, mastery of story development, character development, storytelling structure, and cinematic style.
- Students will demonstrate the ability to pitch stories and scripts to producers, managers, agents, studios, cable outlets, and networks.
- Students will demonstrate proficiency in writing for screens of all sizes. Students will value diverse stories that explore social justice issues and ethical and humanistic themes.
- Students will develop entrepreneurial skills by creating relationships with outside organizations through internships, mentorships, and designated courses and workshops.
- Students will demonstrate the fundamental business skills required for working effectively with producers, managers, agents, and the Writers Guild of America.
- Students will demonstrate proficiency in analyzing the influences of film, television, and emerging media on our culture, and vice versa.

## M.F.A. Writing for the Screen

The goal of the MFA program in Writing for the Screen is to train students for a career in screenwriting--to develop mastery in writing for screens of all sizes. Using long-form storytelling as a basis for teaching screenwriting, students will progress from the elements class to the creation of a portfolio of work, which will include three feature length screenplays, one episodic teleplay, and at least one original pilot for television. Students can also take writing electives such as transmedia, video-game writing, or playwriting. Proper sequencing of major requirements is indicated by prerequisites of individual courses and as noted in the outline below. Please consult an academic advisor.

Students must maintain a "B" (3.0) average to remain in good academic standing. Students who fall below a "B" average will be placed on academic probation and will have one semester to bring their grade average up to a "B."

At the end of the first and third semesters, students are required to attend an MFA Performance Review with the department faculty to discuss his/her overall cumulative progress in the program. Letters will be sent to each student following this meeting to say he/she is either performing in an exceptional way, a satisfactory way, or an unsatisfactory way. In the last case the student will be placed on academic probation. Academic probation will require another meeting at the end of the following semester. If the student does not meet the required standards, he/she will be dismissed from the program.

## M.F.A. in Writing for the Screen Requirements

Major Requirement	45 semester hours
Thesis Requirements	6 semester hours
<b>Overall Total</b>	<b>51 semester hours</b>

### First Year

#### Fall Semester

- SCWR 510 Production Fundamentals for Writing and Producing for TV *3 semester hours* (must earn B or higher)
- SCWR 540 Elements of Feature Screenwriting *3 semester hours* (must earn B or higher)
- SCWR 635 Advanced Motion Picture Script Analysis *3 semester hours* (must earn B or higher)

#### Spring Semester

- SCWR 541 Writing the Feature Screenplay *3 semester hours*
- SCWR 660 Writing the Drama TV Series Spec *3 semester hours* or
- SCWR 670 Writing the Comedy TV Series Spec *3 semester hours*
- FTVS Elective Film, Television, and Media Studies *3 semester hours* (Must select any one course from FTVS 500 or 600 level)

### Second Year

#### Fall Semester

- SCWR 640 Rewriting the Feature Screenplay *3 semester hours*
- SCWR 650 Advanced Feature Screenwriting *3 semester hours*
- SCWR 661 Writing an Original Drama Pilot *3 semester hours* or
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours* or
- SCWR Elective *3 semester hours* (Must select any one course from SCWR 500 or 600 level)

#### Spring Semester

- SCWR 641 Feature Film and Television Adaptation *3 semester hours*
- SCWR 651 Rewriting the Advanced Screenplay *3 semester hours*
- SCWR 661 Writing an Original Drama Pilot *3 semester hours* or
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours* or
- SCWR Elective *3 semester hours* (Must select any one course from SCWR 500 or 600 level)

## Third Year

### Fall Semester

- SCWR 685 Entertainment Business Affairs *3 semester hours*
- SCWR 690 Thesis Screenplay Project *3 semester hours*
- SCWR 661 Writing an Original Drama Pilot *3 semester hours* or
- SCWR 671 Writing an Original Comedy Pilot *3 semester hours* or
- SCWR Elective *3 semester hours* (Must select any one course from SCWR 500 or 600 level)

### Spring Semester

- SCWR 691 Rewriting Thesis Screenplay Project *3 semester hours*
- SCWR 692 Feature Film and Television Portfolio Workshop *3 semester hours*

## Minor

### Screenwriting Minor

#### Minor Requirements

The School of Film and Television offers a minor in Screenwriting.

The minor is 19 semester hours consisting of:

- FTVS 1010 Art of Cinema *4 semester hours*
- SCWR 220 Feature Story Development *3 semester hours*
- SCWR 320 Feature Screenplay: Writing the First Draft *3 semester hours*
- SCWR 321 Rewriting the Feature Screenplay *3 semester hours*

Two elective courses (six semester hours) chosen from:

- SCWR 325 Writing the Comedy TV Series Spec *3 semester hours*
  - SCWR 326 Writing the Drama TV Series Spec *3 semester hours*
  - SCWR 428 Adaptation: Source to Screen *3 semester hours*
- Other SCWR courses by permission of Chairperson.

# **Aerospace Studies**

## **Aerospace Studies**

*All University Colleges and Schools*

### **Faculty**

Kari Hill (Department Chairperson), Melinda Albiston, Nikole Egloff, Analiza McFarland, Simone Zacharias

### **General Military Course**

The first two years of Aerospace Studies (AERO 100, AERO 200) are designated the General Military Course (GMC) for students enrolled in Air Force Reserve Officers' Training Corps (AFROTC). There are no prerequisites for these courses, and all University students may participate. These courses focus on developing individual communication skills, basic leadership traits, understanding the environment of the Air Force officer, and comprehending the historical development of the United States Air Force in the national security structure. AERO 100 and AERO 200 may be taken concurrently to allow late entry into the program by second-semester freshmen and sophomores.

### **Professional Officer Course**

The last two years of AFROTC (AERO 300, AERO 400) are designated the Professional Officer Course (POC) for students enrolled in AFROTC. They are designed to prepare cadets for duty as officers in the United States Air Force and provide students with a working knowledge of advanced leadership and management theories and applications, as well as an understanding of the United States national security processes. The POC includes academics, interaction with military and national security professionals, and the practice of leadership and management in a large group environment.

### **Special Notes**

Aerospace Studies academic courses are open to all students who wish to take these classes as electives, whether they are cadets or not. Courses may or may not count toward graduation, depending upon the student's major. Students should consult their Dean and Department Chairperson for allowable courses. Leadership laboratories are mandatory for members of the cadet wing. Students that are not members of the cadet wing cannot enroll in the leadership laboratory courses.

### **Air Force Reserve Officers' Training Corps Program**

The AFROTC program at Loyola Marymount University is conducted by active duty Air Force Officers assigned to the Department of Aerospace Studies. The program is designed to prepare qualified men and women for careers as commissioned officers in the United States Air Force. Textbooks, uniforms, and all other equipment used in this program are furnished by the Air Force at no expense to the student.

Air Force ROTC offers three- and four-year scholarships. Additionally, Loyola Marymount University supplements some Air Force ROTC scholarships with room and board.

A nominal four-year program consists of two years of the General Military Course, followed by two years of the Professional Officer Course. Admission into the Professional Officer Course is limited to those students who successfully pass required

written, oral, and physical examinations. During the summer between the sophomore and junior year, cadets are required to attend four weeks of field training at Maxwell Air Force Base, Alabama, to familiarize them with Air Force life. The Air Force furnishes all uniforms, equipment, and transportation. Students also receive pay and allowances authorized by current directives at the time of field training attendance. After successfully completing field training, qualified cadets enter the Professional Officer Course and receive \$350-400 per month, tax-free, during the final two years of AFROTC. For information on scholarships, please go to [www.afrotc.com](http://www.afrotc.com).

AFROTC offers students expanded access to management theories and practice, exposure to industry and military leaders, and opportunities to better comprehend international political and security environments. While most training takes place on the LMU campus, it includes extensive interaction with students from other local universities and colleges who participate in the program. In addition to a commission upon graduation, cadets may apply for careers as pilots, navigators, space and missile operators, business administrators, engineers, health professionals, intelligence, officers, and many other specialties.

## **Aerospace Studies (AERO)**

**AERO 100 Foundation of the USAF I**

**AERO 101 Foundation of the USAF II**

**AERO 102 Laboratory I**

**AERO 103 Laboratory II**

**AERO 200 The Evolution USAF Air and Space Power I**

**AERO 201 The Evolution of USAF Air and Space Power II**

**AERO 202 Laboratory III**

**AERO 203 Laboratory IV**

**AERO 300 Air Force Leadership Studies I**

**AERO 301 Air Force Leadership Studies II**

**AERO 302 Laboratory V**

**AERO 303 Laboratory VI**

**AERO 400 National Security Affairs Preparation for Active Duty I**

**AERO 401 National Security Affairs Preparation for Active Duty II**

**AERO 402 Laboratory VII**

**AERO 403 Laboratory VIII**

# Center for Undergraduate Teacher Preparation

## Center for Undergraduate Teacher Preparation

### Introduction

The Loyola Marymount University Center for Undergraduate Teacher Preparation exists to provide matriculation-to-graduation advising and other academic and professional support to undergraduates preparing for careers in K-12 teaching. The Center also serves as a resource for faculty and staff who provide instruction and other services in LMU's subject-matter teacher preparation programs.

In carrying out its work, the Center for Undergraduate Teacher Preparation is informed by the Mission and Goals of Loyola Marymount University, which emphasize the encouragement of learning, the education of the whole person, the service of faith, and the promotion of justice. For the encouragement of learning, the Center facilitates academically challenging teacher preparation programs where the faculty model effective pedagogy. The Center contributes to the education of the whole person through a vision of the educational process as the simultaneous formation of intellect, moral character, the senses and the imagination. The Center's role in the service of faith includes training future Catholic educators as well as cultivating respect in all our future teachers for the rich diversity of faith traditions in our multicultural society. To promote justice, the Center educates our future teachers to be agents of positive social change for all members of global society.

All LMU undergraduates who foresee a career in K-12 teaching, whether enrolling in a formal teacher preparation program or not, are encouraged to contact the Center for Undergraduate Teacher Preparation for support throughout their time at LMU.

### Emphasis

## Secondary Teacher Preparation in Art

### Secondary Teacher Preparation in Art

The Art Education Emphasis is designed to create reflective, informed, caring, and capable artists who are skilled in using interpersonal and creative tools for teaching careers in California schools at the secondary level (grades 6-12). Students interested in earning a State of California Single Subject Teaching Credential in Art must fulfill all the requirements for the major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE), the requirements for a minor in Secondary Education (SEED), and the requirements for a single subject credential in Art (SECR). With the help of their advisor, students can carefully design a schedule to complete the program during their four years at LMU. Students who seek graduation with an Art Education Emphasis and a teaching credential should ideally declare the Art Education Emphasis as a freshman.

The LMU Secondary Teacher Preparation Program in Art is approved by the California Commission on Teacher Credentialing. The Department of Art and Art History is a fully accredited member of the National Association of Schools of Art and Design.

Students should consult with the Director/Advisor of Secondary Teacher Preparation Program in Art, Professor Terry Lenihan (tlenihan@lmu.edu 310.338.4409) to sign up for the program and to discuss their course of study.

Please contact the School of Education at soeinfo@lmu.edu for information about all available Secondary Teacher Preparation Programs (STPP). All students interested in teaching Art in middle schools or high schools should meet with their departmental advisors as soon as possible and must also attend a mandatory School of Education Undergraduate Information Session. Please

call 310.338.7845 to obtain the next scheduled meeting time and to confirm attendance. The advisor for STPP students regarding the School of Education is Michael Cersosimo (Michael.Cersosimo@lmu.edu, 310.258.8806).

The Center for Undergraduate Teacher Preparation (CUTP) is also available to assist students interested in teaching careers in both secondary and elementary education. Please contact Dr. Annette Pijuan Hernandez, Senior Director and Associate Clinical Professor (Annette.Hernandez@lmu.edu, 310.258.8806). CUTP is located in UH 3346, 310.258.8806.

## Major Requirements for a Major in Studio Arts (STAR) with an Emphasis in Art Education (ARTE)

### Core Requirements

Consult with the Director of Art Education for Core recommendations. A student pursuing a teaching credential should take HIST 1300 Becoming America.

### Lower Division Requirements

24 semester hours of lower division courses:

- ART 153 Drawing I *3 semester hours*
- ART 160 Two-Dimensional Design *3 semester hours*
- ART 255 Field Experience in Art *0 semester hours*
- ART 257 Painting I *3 semester hours*
- ART 260 Computer Graphics I *3 semester hours*
- ART 275 Three-Dimensional Design *3 semester hours*
- ARHS 2000 Foundations of Western Art *4 semester hours*
- ARHS 2002 Art and Society: Early Christian to Early Modern *4 semester hours*
  
- ART 154 Drawing II: Figure Drawing *3 semester hours* or
- ART 278 Ceramics I: Earth and Art *3 semester hours* or
- ART 280 Photography I *3 semester hours* or
- ART 285 Introduction to Printmaking *3 semester hours* as the foundation for the Studio Arts Focus. \*

### Upper Division Requirements

27 semester hours of upper division courses:

- ART 355 Experiencing Art and Social Justice *3 semester hours*
  
- ART 396 Design Praxis: Professional Practices in Design *3 semester hours* or
- ART 397 Professional Practices in Fine Arts *3 semester hours*
  
- ART 455 Methods in Teaching Secondary Art *3 semester hours*
  
- ART 490 Senior Design Thesis *3 semester hours* or
- ART 497 Senior Thesis in Fine Arts *3 semester hours* (must take for 3 semester hours)
  
- 9 semester hours of upper division ART electives \*
- ARHS 4630 Contemporary Art *4 semester hours*

A non-Western Art History course or any non-Western course:

- ARHS 3311 Pre-Columbian Art *4 semester hours*
- ARHS 3331 Arts of Africa *4 semester hours*
- ARHS 3341 Arts of Islam *4 semester hours*
- ARHS 4301 Arts of India *4 semester hours*
- ARHS 4303 Arts of China *4 semester hours*
- ARHS 4307 Arts of Japan *4 semester hours*
- ARHS 4998 Special Studies *1 TO 4 semester hours*

Note:

**\*Studio Arts Focus Requirement**

Out of the 9 semester hours of upper division ART electives, 6 must be in the same Studio Arts Focus. Select both lower and upper division courses from within the same Studio Arts Focus. Courses must be selected under the advisement of the Director of Art Education.

## Secondary Teacher Preparation Program for English

The Secondary Teacher Preparation Program (STPP) for English is designed for students who anticipate teaching English in grades 6-8 or 9-12. Because of the rigorous standards set by the State of California for teacher credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning, however, it is possible to complete an English major, the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for English, and the School of Education credential requirements in four years.

## Secondary Teacher Preparation Program for English Major Requirements: English Major Requirements:

### Pre-Major/Lower Division Requirements (12 semester hours)

- ENGL 2201 Genres: Poetry *4 semester hours* or
- ENGL 2200 Genres: Drama *4 semester hours* or
- ENGL 2202 Genres: Fiction *4 semester hours*
  
- ENGL 2203 Histories: British Literature I *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours*

### Upper Division (44 semester hours or 11 total courses)

- ENGL 3321 Shakespeare: The Major Plays *4 semester hours* or
- ENGL 3322 Studies in Shakespeare *4 semester hours* or
- ENGL 3323 Shakespeare and Politics *4 semester hours*
  
- ENGL 3371 American Literature I *4 semester hours* or
- ENGL 3372 American Literature II *4 semester hours*

- ENGL Explorations *4 semester hours*
- ENGL Comparative Literature *4 semester hours*
- ENGL 3375 StreetRead *4 semester hours* (preliminary field exp.) *or*
- ENGL 3376 StreetWrite *4 semester hours* (preliminary field exp.)
- ENGL 5569 Linguistics *4 semester hours*
- ENGL 5574 Rhetoric and Media *4 semester hours*
- ENGL 5565 Theory of Teaching Writing and Literature *4 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*

### Electives:

**8 semester hours of 2 Electives**, two electives of extended study in one of the domains. **Two courses taken from one of the domains:** 1) Literature and Language Analysis 2) Language, Linguistics, Literary 3) Composition and Rhetoric or 4) Communications, Speech, Media and Performance.

**Additional Required Courses: Communications 4 semester hours) and Creative Arts (3 semester hours) selected from the following:**

**Communications (4 semester hours):**

- CMST 2800 Advanced Public Communication *4 semester hours*

**Creative Arts Core (3 semester hours):** \*At least one course from the following Theatre courses:

- THEA 110 Beginning Acting *3 semester hours*
- THEA 120 Stagecraft *3 semester hours*

**School of Education Requirements:**

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*

**School of Education Credential Requirements (Non-Degree Requirements):**

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by completing 5-8 semester hours of EDES 518 Secondary Teaching Seminar, which are applied toward both the semester hour requirement for the

baccalaureate degree in English and the requirements for the preliminary credential within the state of California. Student teaching is met through elective semester hours taken as EDES 518 Secondary Teaching Seminar.

## Advising:

Students should consult with the **Director/Advisor for the Secondary Teacher Preparation Program for English**, Dr. Aimee Ross-Kilroy at [aeross@lmu.edu](mailto:aeross@lmu.edu), to sign up for the program and to discuss their course of study, especially their English courses.

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact [cutp@lmu.edu](mailto:cutp@lmu.edu) for more information.

## School of Education Admission:

Students interested in adding a preliminary credential in English must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here <http://soe.lmu.edu/academics/cutp>.

## Four-Year Plan for the English Major (120 Semester Hours)

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*

Total: 12-16 semester hours

#### Spring Semester

- RHET 1000 Rhetorical Arts *3 OR 4 semester hours*
- University Core *3-4 semester hours*
- University Core *3-4 semester hours*
  
- ENGL 2200 Genres: Drama *4 semester hours* or
- ENGL 2201 Genres: Poetry *4 semester hours* or
- ENGL 2202 Genres: Fiction *4 semester hours*
  
- THEA 110 Beginning Acting *3 semester hours* or
- THEA 120 Stagecraft *3 semester hours* or
- THEA 121 Stagecraft Lab *0 semester hours*

Total: 16-19 semester hours

## Sophomore Year

### Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- ENGL 3XXX: Comparative *4 semester hours*
- ENGL 2203 Histories: British Literature I *4 semester hours*
- University Core *3-4 semester hours*

Total: 17-18 semester hours

### Spring Semester

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- ENGL 3XXX: Explorations *4 semester hours*
- ENGL 2204 Histories: British Literature II *4 semester hours*
- CMST 2800 Advanced Public Communication *4 semester hours*

Total: 18 semester hours

## Junior Year

### Fall Semester

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- University Core *3-4 semester hours*
  
- ENGL 3321 Shakespeare: The Major Plays *4 semester hours or*
- ENGL 3322 Studies in Shakespeare *4 semester hours or*
- ENGL 3323 Shakespeare and Politics *4 semester hours*
  
- ENGL 3346 Children's Literature *4 semester hours*
  
- ENGL 3371 American Literature I *4 semester hours or*
- ENGL 3372 American Literature II *4 semester hours*

Total: 18-19 semester hours

### Spring Semester

- ENGL 3375 StreetRead *4 semester hours or*

- ENGL 3376 StreetWrite *4 semester hours*
- ENGL 5569 Linguistics *4 semester hours*
- ENGL Upper Division *4 semester hours*
- University Core *3-4 semester hours*
- ENGL 3346 Children's Literature *4 semester hours*

Total: 19-20 semester hours

## Senior Year

### Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 514 Secondary Content Methodology for Teaching English *3 semester hours*
- ENGL 5565 Theory of Teaching Writing and Literature *4 semester hours*
- ENGL Upper Division *3-4 semester hours*
- ENGL 5575 The Art of Rhetoric *4 semester hours*

Total: 19-20 semester hours

### Spring Semester

- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 518 Secondary Teaching Seminar *3 semester hours*

Total: 9 semester hours

## Secondary Teacher Preparation Program for Spanish

Students interested in obtaining a Spanish secondary teaching credential for the State of California must fulfill the requirements for the Spanish major and take two additional Spanish courses: SPAN 4252 and SPAN 4474 or their equivalents. They will also have to take courses and do their teaching practice under the School of Education. To complete all requirements in four years, Spanish majors are encouraged to start this process early by contacting the Center for Undergraduate Teacher Preparation (CUTP) to learn about the School of Education requirements.

For additional information, contact Professor Alicia Partnoy, STPP-Spanish Director.

## Secondary Teacher Preparation Program in Social Science (History)

The Secondary Teacher Preparation Program (STPP) for Social Science (History) is designed for students who anticipate teaching history and social sciences in grades 6-8 or 9-12. Because of the rigorous standards set by the State of California for teacher credentialing, the Program at LMU is very specific in terms of the coursework you will be taking. With careful planning, however, it is possible to complete a History major, the University's Core Curriculum requirements, the Secondary Teacher Preparation Program for Social Science (History), and the School of Education credential requirements in four years.

## Secondary Teacher Preparation Program in Social Science (History) Major Requirements:

### History Major Requirements:

10 courses (40 semester hours), distributed as follows:

- 1 lower-division seminar: HIST 2000, HIST 2050, HIST 2200, HIST 2450, HIST 2500, HIST 2600, HIST 2700, HIST 2800, HIST 2910 *4 semester hours*
- HIST 4412 History of California *4 semester hours*
- 1 5000-level seminar: HIST 5000-5899 *4 semester hours*
- At least 4 additional upper-division courses: HIST 3xxx, HIST 4xxx, HIST 5xxx
- Students may complete the History major by following either the Generalist Track or the Specialist Track (See the History, B.A. for more information):
  - Generalist Track: 2 courses in each of the three geographical regions (Europe, US, World Regions)
  - Specialist Track: 1 course in each of the three geographical regions (Europe, US, World Regions) **and** 3 courses in one concentration.

### Social Science Course Requirements:

5 courses (20 semester hours), distributed as follows:

- ECON 1050 Introductory Economics *4 semester hours*
- GEOG 1000 Human Geography *4 semester hours* or
- GEOG 2000 World Geography *4 semester hours*
- POLS 1200 U.S. Politics *4 semester hours*
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
- THST 1080 Comparative Theology *4 semester hours* or
- THST 1500 World Religions of Los Angeles *4 semester hours*

### School of Education Requirements

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*

- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*

## School of Education Credential Requirements (Non-Degree Requirements)

Students fulfill the Single Subject student teaching requirement for the preliminary teaching credential by completing 3 semester hours of EDES 518 Secondary Teaching Seminar and 2-5 semester hours of EDES 534 Secondary Clinical Supervision 4, which are applied toward both the semester hour requirement for the baccalaureate degree in Social Science (History) and the requirements for the preliminary credential within the state of California. Student teaching is met through elective units taken as EDES 518 Secondary Teaching Seminar and EDES 534 Secondary Clinical Supervision 4.

## Advising

Students should consult with the **Director/Advisor for the Secondary Teacher Preparation Program in Social Science (History)**, Elizabeth Drummond at Elizabeth.Drummond@lmu.edu, to sign up for the program and to discuss their course of study, especially their History and Social Science courses.

**The Center for Undergraduate Teacher Preparation (CUTP)** is also available to assist students interested in teaching careers in elementary, secondary, bilingual, and special education. Students interested in a career in teaching should consult with the CUTP Director to discuss their options. All students in the teacher preparation pipeline work with a dedicated CUTP advisor for all education coursework. CUTP has a library of information and advice for prospective teachers as well as sponsors several informational sessions every year. CUTP is located in UNH 3346. Please contact cutp@lmu.edu for more information.

## School of Education Admission

Students interested in adding a preliminary credential in Social Science (History) must apply for admission to the School of Education to formally add the preliminary credential to their program. Students should work with the STPP Director and their advisor in CUTP to determine when to apply. Instructions on this process can also be found here: Undergraduate Teacher Preparation--Secondary Education.

## Four-Year Plan for the Secondary Teacher Preparation in Social Science (History) Major:

### Freshman Year

#### Fall Semester

- FFYS 1000 First Year Seminar *3 OR 4 semester hours* (FFYS Core)
- HIST 1300 Becoming America *4 semester hours* or
- HIST 1301 America and the Atlantic World 1450-1850 *4 semester hours* or
- HIST 1401 The United States and the Pacific World *4 semester hours* (EHAP Core)
- POLS 1200 U.S. Politics *4 semester hours* (EHBV Core)
- THST 1080 Comparative Theology *4 semester hours* (FTHI Core)

Total: 15-16 semester hours

## Spring Semester

- PHIL 1800 Philosophical Inquiry *4 semester hours* (FPHI Core)
- HIST 2300-2499 Lower Division History course for Studies in American Diversity *4 semester hours* (EHAP Core)
- RHET 1000 Rhetorical Arts *3 OR 4 semester hours* (FRTA Core)
- University Core: Quantitative Reasoning *3-4 semester hours* (FQTR Core)

Total: 15-16 semester hours

## Sophomore Year

### Fall Semester

- EDES 501 Teaching and Learning in Diverse Communities *3 semester hours*
- EDES 502 Creating and Leading Effective Classroom Environments *3 semester hours*
- HIST Lower Division Seminar (HIST 2000, HIST 2050, HIST 2200, HIST 2450, HIST 2500, HIST 2600, HIST 2700, HIST 2800, HIST 2910) *4 semester hours*
- GEOG 1000 Human Geography *4 semester hours* or
- GEOG 2000 World Geography *4 semester hours*
- University Core: Creative Experience *3-4 semester hours* (ECRE Core)

Total: 17-18 semester hours

### Spring Semester

- EDES 503 Language Theory and Pedagogy: Second Language Acquisition *3 semester hours*
- EDES 504 Assessment to Inform Instruction for Diverse Students *3 semester hours*
- HIST 4412 History of California *4 semester hours*
- HIST Lower or Upper Division *4 semester hours*
- University Core: Nature of Science, Technology, and Mathematics *3-4 semester hours* (ESTM Core)

Total: 17-18 semester hours

## Junior Year

### Fall Semester

- EDES 505 Perspectives and Policies that Guide Education *2 semester hours*
- EDES 506 Using Technology in the Classroom *1 semester hours*
- HIST Upper Division *4 semester hours*
- HIST Upper Division *4 semester hours*
- ECON 1050 Introductory Economics *4 semester hours*
- POLS 1400 Comparative Politics *4 semester hours* or

- POLS 1600 International Relations *4 semester hours*

Total: 19 semester hours

### Spring Semester

- HIST Upper Division *4 semester hours*
- HIST Upper Division *4 semester hours*
- University Core: Ethics and Justice *4 semester hours* (IEJT Core)
- University Core: Faith and Reason *4 semester hours* (IFTR Core)

Total: 16 semester hours

### Senior Year

#### Fall Semester

- EDES 507 Integrated Teaching Methods for Diverse Populations *3 semester hours*
- EDES 513 Secondary Content Methodology for Teaching Social Science *3 semester hours*
- EDES 519 Clinical Supervision 1 *1 semester hours*
- EDES 532 Secondary Clinical Supervision 2 *1 semester hours*
- HIST 5xxx History Seminar (5000-5899) *4 semester hours*
- University Core: Interdisciplinary Connections *4 semester hours* (IINC Core)

Total: 16 semester hours

#### Spring Semester

- EDES 511 Content Literacy for Single Subject Educators *3 semester hours*
- EDES 518 Secondary Teaching Seminar *3 semester hours*
- EDES 533 Secondary Clinical Supervision 3 *1 semester hours*
- EDES 534 Secondary Clinical Supervision 4 *2 TO 5 semester hours*

Total: 9-12 semester hours

## **Secondary Teacher Preparation Program in Social Science (Political Science)**

The LMU Secondary Teacher Preparation Program in Social Science is designed for students who are seeking history and social science teaching positions in grades 6-8 or 9-12 in school settings that are departmentalized.

This program includes courses both in the Bellarmine College of Liberal Arts and the School of Education, and it leads towards the 2042 Preliminary Single-Subject Teaching Credential granted by the State of California Commission on Teacher Credentialing.

Students are able to complete the LMU Secondary Teacher Preparation Program in Social Science at the same time that they complete a B.A. degree with a major either in History or Political Science. The LMU Secondary Teacher Preparation Program in Social Science has been approved by the California Commission on Teacher Credentialing.

## Secondary Teacher Preparation Program in Social Science (Political Science) Major Requirements:

### Political Science Major Requirements:

#### Lower Division Political Science Requirements:

Four (4) courses (16 semester hours) distributed as follows:

- POLS 1200 U.S. Politics *4 semester hours*
- POLS 1400 Comparative Politics *4 semester hours* or
- POLS 1600 International Relations *4 semester hours*
- POLS 2000 Foundations of Political Theory *4 semester hours*
- POLS 2100 Empirical Approaches *4 semester hours*

#### Upper Division Political Science Requirements:

Six (6) courses (24 semester hours) distributed as follows:

- One (1) United States Politics course *4 semester hours*
- One (1) Comparative Politics course *4 semester hours*
- One (1) International Relations course *4 semester hours*
- Two (2) additional POLS upper-division courses *8 semester hours*
- One (1) 5000-level POLS seminar *4 semester hours*

### History Course Requirements:

#### Lower Division History Requirements:

Three (3) courses (12 semester hours) distributed as follows:

- One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*
- One (1) European HIST course *4 semester hours*
- One (1) United States HIST course *4 semester hours*

#### Upper Division History Requirements:

Five (5) courses (20 semester hours) distributed as follows:

- HIST 4412 History of California *4 semester hours*
- One (1) World Regions (Middle East, Asia, Latin America, or Africa) HIST course *4 semester hours*

- One (1) European HIST course *4 semester hours*
- One (1) United States HIST course *4 semester hours*
- One (1) additional upper-division HIST course *4 semester hours*

## Social Science Course Requirements:

Three (3) courses (12 semester hours) distributed as follows:

- ECON 1050 Introductory Economics *4 semester hours*
- GEOG 1000 Human Geography *4 semester hours* or
- GEOG 2000 World Geography *4 semester hours*
- THST 1080 Comparative Theology *4 semester hours* or
- THST 1500 World Religions of Los Angeles *4 semester hours*

## Education Requirements:

30 or 33 semester hours, distributed as follows:

- EDUR 400 Sociocultural Analysis of Education *3 semester hours*
- EDSP 440 Introduction to the Culturally and Linguistically Diverse Student with Exceptional Needs *3 semester hours*
- EDCE 412 Secondary Directed Teaching *9 TO 12 semester hours \**

### Note:

Courses marked \* cannot be taken prior to formal acceptance into the School of Education.

## School of Education Teacher Performance Assessment (TPA) Coursework for the Secondary-Level Teaching Credential:

- EDCE 461 Teaching Performance Assessment 1 *0 semester hours*
- EDCE 462 Teaching Performance Assessment 2 *0 semester hours*
- EDCE 463 Teaching Performance Assessment 3 *0 semester hours*
- EDCE 464 Teaching Performance Assessment 4 *0 semester hours*
- EDES 8000 Health Education *1 semester hours*

## Total STPP in Social Sciences: 117-120 semester hours

### Note:

Because it would be very difficult for a student with a Political Science Major to complete all of the POLS, additional STPP, and University Core course requirements in 8 undergraduate semesters, students should plan to either complete some of the required courses during a 9th undergraduate semester, during summer sessions, or by completing graduate-level education courses in a School of Education program.

Contact Dr. Lance Blakesley at [lblakesl@lmu.edu](mailto:lblakesl@lmu.edu), University Hall 4127, 310.338.7377. Also, contact the Center for Undergraduate Teacher Preparation (CUTP) at [cutp@lmu.edu](mailto:cutp@lmu.edu), University Hall 3346, 310.258.8806.

## **Teacher Preparation Programs in Biology, Chemistry, and Mathematics**

The Frank R. Seaver College of Science and Engineering offers subject matter preparation programs in mathematics and in science specifically designed to meet State of California subject matter requirements for a secondary teaching credential. Both the Bachelor of Arts degree in Mathematics (see the Mathematics section) and the Bachelor of Arts degree in Biology (see the Biology section) are designed to allow completion of the 2042 California Preliminary Single Subject (Secondary) credential in four years, although this may require some summer coursework. These programs are offered in conjunction with the Center for Undergraduate Teacher Preparation and the School of Education. The College also offers courses in mathematics and science to support the multiple subject credential program for teaching elementary school (see the Liberal Studies section in the Bellarmine College of Liberal Arts part of the University Bulletin).

All students interested in teaching mathematics or science at the secondary level should inform their departmental advisors as soon as possible and should also contact the Center for Undergraduate Teacher Preparation and the School of Education to arrange a time to attend an Undergraduate Information Session.

# LMU Extension

## LMU Extension

### Introduction

At LMU Extension, we believe education is the solution to navigating a world of change. As such, our goal is to provide adult learners--at whatever stage of life they may be--with adaptable opportunities for the development of their imagination, conscience, and intellect, whether it is on the campus, in the community, or online. With nearly 130 professional certificate programs and over 700 courses, in a variety of subjects and delivery methods, there is something for everyone at LMU Extension.

Let us help you open new doors, inspire new ways of thinking, explore hidden talents, and awaken a renewed sense of purpose.

### Contact Information

Location: University Hall, Suite 1840

Email: [extension@lmu.edu](mailto:extension@lmu.edu)

Phone: 310.338.1971

Fax: 310.338.2706

Office Hours: Monday-Friday, 8:00 a.m.-5:00 p.m.

### Institutional Accreditation

Accreditation--a seal of approval by professional peers--indicates that an institution or program meets the quality standards of the group conferring the accreditation. Loyola Marymount University is regionally accredited by the Western Association of Schools and Colleges (WASC). All programs and coursework offered by LMU Extension are developed and facilitated in accordance with rigorous academic standards.

#### Program-specific Accreditation

- Western Association of Schools and Colleges (Degree Completion Program)
- California Consortium of Addiction Programs and Professionals--Education Institute (Alcohol and Drug Counseling Program)
- International Association of Yoga Therapists (Yoga Therapy Program)

For a complete list of the university's accrediting organizations, visit <https://www.lmu.edu/about/accreditation>.

### Academic Credit

LMU Extension is not a degree-granting unit. Academic credit is awarded by LMU Extension as semester hours, however this credit is not equivalent to semester hours in the degree-granting units of the greater University. There are three major groupings of courses: Professional Development, Continuing Education and Personal Enrichment. The department rubric ends in the letter 'X' and the courses are numbered 800 through 999.

The first grouping is Professional Development courses in a certificate or professional development program with identifiable subject areas or in particular disciplines, e.g., EDUX for teacher education. These are offered under a departmental rubric and

carry University semester hours of continuing education/professional development credit. The second grouping is Continuing Education courses with academic content falling outside the normal undergraduate or graduate offerings. Such courses and programs are offered under the rubric CNTX. Credit is recorded in semester hours; 1.0 semester hour represents 10 continuing education contact hours. The third grouping is personal enrichment courses covering a variety of activities of interest to the community.

## Continuing Education Units (CEUs)

**For Legal Professionals:** Loyola Marymount University certifies that certain activities identified in the catalog have been approved for Minimum Continuing Legal Education (MCLE) credit by the State Bar of California for the hours listed for those courses.

**For Nursing Professionals:** Loyola Marymount University is approved by the California Board of Registered Nursing, CEP 12698, to offer continuing education credit.

**For Psychologists, Counseling Professionals, and Social Workers:** Loyola Marymount University is approved by the California Board of Behavioral Sciences to provide CEUs for psychologists, counselors, MFTs, and LCSWs.

## Transferring Credit

Some LMU Extension courses may qualify for academic credit at other colleges and universities. The transferability and equivalency of such credit, or articulation, is solely determined by the institution to which you are applying. Course descriptions and learning outcomes are taken into consideration. Be sure to have your course description and syllabus available in case it is requested.

## Degrees, Programs, and Courses

Theological Studies Degree Completion Program

LMU Extension Online Catalog

### Bachelor of Arts

### Theology, B.A.

#### Description

This is a three-year, cohort-model program designed for working adults. Cohort means that all students enrolled in the program must take all 16 courses, in the order that those courses are offered, in order to graduate with a B.A. All enrolled students will adhere to the same schedule for all three years of the program.

Classes will be held at Aquinas High School in San Bernardino.

The Theological Studies major in this program introduces students to the pastoral and theological tradition of the Church; both content and context are the hallmarks of this approach:

The content of what the Church teaches (for example, Biblical theology, the Church's theology in historical perspective, theological ethics, major theological theme)

The context in which the Church carries out its mission (for example, world religions of Los Angeles, U.S. Latina/o Theology, missionary disciples, major theological thinker)

Finally, the major is rounded out with courses that explore how the Church practices its ministry (ministry and pastoral leadership, and contemplatives in action). In the process, students learn how to analyze texts, think and write critically, and integrate reason and faith.

## Major Requirements

Students must complete 60 semester credit hours of coursework, in good academic standing, to receive the Bachelor of Arts degree. This includes 40 credit hours of Theological Studies coursework, 16 credit hours of Core (general education) coursework, as well as an introductory course and a capstone course.

## Required Coursework

- EDUZ 9000 Introduction to Degree Completion *2 semester hours*
- THSZ 9000 Introduction to Biblical Theology and Interpretation *4 semester hours*
- THSZ 9002 Missionary Disciples: Exploring the Catholic Pastoral-Theological Tradition *4 semester hours*
- THSZ 9001 World Religions of Los Angeles *4 semester hours*
- THSZ 9009 History of Christian Theology *4 semester hours*
- THSZ 9007 U.S. Latino/a Theology *4 semester hours*
- THSZ 9003 Ministry and Pastoral Leadership *4 semester hours*
- THSZ 9004 Contemplatives in Action: Psychology, Spirituality, and Liberation *4 semester hours*
- THSZ 9005 Topics in Theological Ethics *4 semester hours*
- THSZ 9006 Major Theological and Religious Thinker *4 semester hours*
- THSZ 9008 Major Theological and Religious Theme *4 semester hours*
- HISZ 9000 Chicana/o History *4 semester hours*
- APAZ 9000 Immigration and Los Angeles *4 semester hours*
- ECOZ 9000 Economics and Ethics *4 semester hours*
- ENGZ 9000 The Literature of the New Land: American Expatriate Writers *4 semester hours*
- THSZ 9010 Pastoral Intergration *2 semester hours*

### **APAZ 9000 Immigration and Los Angeles**

### **ECOZ 9000 Economics and Ethics**

### **EDUZ 9000 Introduction to Degree Completion**

### **EDUZ 9099 Independent Studies**

### **ENGZ 9000 The Literature of the New Land: American Expatriate Writers**

### **HISZ 9000 Chicana/o History**

### **THSZ 9000 Introduction to Biblical Theology and Interpretation**

**THSZ 9001 World Religions of Los Angeles**

**THSZ 9002 Missionary Disciples: Exploring the Catholic Pastoral-Theological Tradition**

**THSZ 9003 Ministry and Pastoral Leadership**

**THSZ 9004 Contemplatives in Action: Psychology, Spirituality, and Liberation**

**THSZ 9005 Topics in Theological Ethics**

**THSZ 9006 Major Theological and Religious Thinker**

**THSZ 9007 U.S. Latino/a Theology**

**THSZ 9008 Major Theological and Religious Theme**

**THSZ 9009 History of Christian Theology**

**THSZ 9010 Pastoral Intergration**

## Graduate Division

The mission of the Graduate Division is to promote transformative graduate education at Loyola Marymount University, to celebrate the accomplishments of graduate students and the faculty who educate them, and to provide leadership in the establishment and communication of policies, standards, and processes related to graduate education and to the quality of life for graduate students.

Since its creation in 1950, the Graduate Division has worked closely with the University's colleges and schools to create innovative programs that meet the personal, academic, and professional needs of its students. As life-long learning becomes even more integral to individual success and social welfare, the Graduate Division remains committed to providing an array of forward-looking programs of great distinction and to creating an environment that enables students to realize their full potential.

The University's graduate programs are characterized by outstanding faculty, academic excellence, small class size, and attention to individual students. Though the graduate programs span a diverse array of academic disciplines and professions, they are uniform in their attention to education of the whole person, to conscious exploration of ethical issues, and to developing leaders in service to society.

Across its various schools and colleges, the University offers curricula leading to the degrees of Doctorate in Education (Ed.D.), Education Specialist (Ed.S.), Master of Arts (M.A.), Master of Business Administration (M.B.A.), Master of Fine Arts (M.F.A.), Master of Science (M.S.), Master of Science in Accounting (M.S.A), and Master of Science in Engineering (M.S.E.), as well as to a variety of graduate certificates and credentials.

The Graduate Admission Office is located in Von der Ahe 235. Telephone: 310.338.2721 or 888.946.5681; fax: 310.338.6086.

*All communication concerning Graduate Studies should be addressed to:*

Graduate Division  
Loyola Marymount University  
1 LMU Drive  
Von der Ahe 235  
Los Angeles, CA 90045-2659

# Bulletin Home

The University Bulletin contains the academic and administrative policies and regulations that govern enrollment of undergraduate, graduate, and postbaccalaureate students at Loyola Marymount University. Students are responsible for knowing academic and administrative policies and regulations affecting their program of study and for abiding by all such policies and regulations during their period of enrollment at the University. Continued enrollment is subject to compliance with the academic and administrative policies and regulations. Failure to understand the policies and regulations does not relieve a student of her or his responsibility for adhering to the policies and regulations.

Students are governed by the applicable University and degree requirements in the University Bulletin of their entry year into the University. Students must normally fulfill the department major or program requirements in effect when they declare the primary major or program of study. If these requirements have been modified since the most recent Bulletin, students may be required to fulfill those with the most recent date. Students are advised to consult the chairperson of the major department or the appropriate program director for the correct information.

The University Bulletin is not an offer to enter into a contract. Loyola Marymount University reserves the right to make changes to degree program requirements, academic and administrative policies and regulations, financial charges, and course offerings published in the University Bulletin at any time without prior notice. The University strives to assure the accuracy of the information in the University Bulletin. However, the University reserves the right to make corrections as necessary to the University Bulletin. For changes that may occur, please go to <http://bulletin.lmu.edu>.

Loyola Marymount University does not discriminate on the basis of race, religious creed (including religious dress and grooming practices), color, national origin (including language and language use restrictions), ancestry, disability (mental and physical) including HIV and AIDS, legally protected medical condition (cancer-related or genetic characteristics), denial of Family and Medical Care Leave, marital status, sex (including pregnancy, childbirth, breastfeeding, or related medical condition), gender, gender identity, gender expression, age 40 or over, military or veteran status, sexual orientation, genetic information, or any other bases protected by federal (including but not limited to Title VI and Title VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act of 1990), state, or local law. The University does not discriminate on these bases, or any other basis protected by law, in the administration of any of its education or admission policies, scholarship or loan programs, athletics, and other school-administered policies and programs, or in its employment policies and practices. All University policies, practices, and procedures are administered in a manner consistent with LMU's Jesuit identity and character.

1 LMU Drive  
Los Angeles, CA 90045-2659  
310.338.2700  
Toll Free: 800.568.4636

# Academic Programs and Services

## University Honors Program

Created in 1958, the University Honors Program at Loyola Marymount University seeks to offer an intellectually creative and rigorous academic community for outstanding students. Because the program serves students from all undergraduate majors, across colleges and schools, it is housed outside of individual colleges and schools and instead is overseen through the Office of the Provost. The University Honors Program offers interdisciplinary Core courses and extra-curricular activities designed to create life-long love of learning and the intellectual habits required to serve others. Although academic excellence is the hallmark of the program, the University Honors Program is equally committed to the education of the whole person, the service of faith, and the promotion of justice.

Students in the University Honors Program take the Honors Core instead of the general LMU core. Our seminar-style courses are taught by talented faculty members from across the University. Our faculty use innovative teaching strategies to create engaging and academically rigorous learning environments.

The University Honors Program also offers co-curricular and extracurricular activities and events that create intellectually stimulating experiences beyond the classroom. A signature of our program is that all Honors students complete independent research or scholarship under a faculty member's mentorship. Some students' projects are funded through competitive grants, through the Honors Program. These grant opportunities allow our students to conduct their research in locations around the world. And almost all of our students present their work, either at LMU's Undergraduate Research Symposium or at national and international conferences.

The University Honors Program is open to students from any school or college of Loyola Marymount University, regardless of major. The Program is administered by the Honors Director, the Honors Associate Director, and the Honors Program Coordinator with the assistance of the Honors Advisory Council. Faculty members of all disciplines are encouraged to be involved with the University Honors Program.

Students in the University Honors Program must maintain a 3.50 cumulative GPA and attend a majority of Honors-sponsored events in order to continue in the program. Graduating students receive an Honors medallion to be worn with their academic regalia at Commencement.

Admission to the University Honors Program is open to all incoming and current first year students. The program is interested in students who display a sense of academic adventure, high motivation, academic rigor, personal responsibility, social awareness, and the constant pursuit of excellence. Incoming first year students must complete a special University Honors Program application (in addition to their application for admission to Loyola Marymount). Current first year students must schedule an interview with the Honors Director, presenting a writing sample from a class taken at Loyola Marymount and a letter of recommendation from a faculty member. Only a limited number of students who apply will be invited to join the University Honors Program. Application materials are available at <http://academics.lmu.edu/honors>.

Further details on requirements are continued under "University Honors Program" in the University Bulletin.

## Academy of Catholic Thought and Imagination

The Academy of Catholic Thought and Imagination at Loyola Marymount University is a community of scholars who work in dialogue with the Catholic intellectual tradition by developing, critically examining, communicating, or otherwise engaging the rich resources of Catholic thought and imagination, especially as it is informed by Jesuit and Ignatian vision. The Academy serves as a hub for scholarship, interdisciplinary research, innovative pedagogy, and creative outreach across LMU's campus, in the southwest United States and beyond.

ACTI supports a diverse array of activities:

- Producing scholarship
- Collaborating with other Jesuit and Catholic institutions
- Nourishing LMU's intellectual vitality
- Collaborating and facilitating interaction with and between existing LMU centers and institutes whose missions overlap that of the Academy
- Contributing to the development of curricula across schools and departments
- Engaging wider local, national, and global communities through lectures, symposia, workshops and collaborative events.

ACTI is located on the fourth floor of University Hall, in Suite 4404. For additional information on ACTI services, please call 310.338.7759 or visit the website at <http://academics.lmu.edu/acti>.

## Academic Resource Center

The Academic Resource Center (ARC) at Loyola Marymount University provides academic support for all degree-seeking LMU students. It is the mission of the ARC to promote engaged academic citizenship and to provide opportunities for students to become more fully integrated into the rich and diverse culture of the university. Services include content tutoring, university advising, LMU Common Book programs, and the First to Go program.

The ARC offers content tutoring for gateway courses in subjects such as chemistry, psychology, and the modern languages, while the undergraduate and graduate tutors in the Writing Center provide one-on-one support for writing assignments in any course.

Students who need assistance locating, understanding, and utilizing their academic planning tools may meet with an ARC University Advisor. University Advisors may also assist students with basic support developing productive study habits and time management skills.

The ARC provides programing for the LMU Common Book, in collaboration with the Hannon Library; while also providing support for special populations such as first-generation college students through the First to Go program.

The ARC is located on the second floor of Daum Hall, and all services are included in the cost of tuition. For additional information on ARC services, please call 310.338.2847 or visit [www.lmu.edu/arc](http://www.lmu.edu/arc).

## Air Force ROTC

Air Force ROTC at Loyola Marymount University provides an opportunity for students to become commissioned officers in the United States Air Force. The program is typically completed in four years, but there is some flexibility for students to finish the requirements on an accelerated timeline. The program seeks to better develop students in the areas of character, leadership, physical fitness, and academic performance. In addition, AFROTC provides opportunities for scholarships and other financial aid. More information can be found under the "Aerospace Studies" section of this University Bulletin.

## Basil P. Caloyeras Center for Modern Greek Studies

The Caloyeras Center for Modern Greek Studies provides students with an opportunity to study the culture of contemporary Greece. Courses are offered in Modern Greek history, the Greek Orthodox tradition and spirituality, Modern Greek literature, language and culture, theater, and film. Every summer the Center organizes the Odyssey Program, a four-week travel and study program in Greece. The program is open to all LMU students.

The Center has the following goals:

- To offer courses in modern Greek language, post-classical and modern literature and history, the Greek Orthodox tradition, theatre, cinema, dance, music, and the fine arts

- To encourage students to pursue a minor in Modern Greek Studies
- To sponsor lectures on subjects pertaining to Greece which are of interest to the academic community and to the public at large
- To encourage students and faculty to pursue studies and research projects in Greece.

The Center supports the courses that lead to a minor in Modern Greek. (See "Classics and Archaeology" in this Bulletin.)

The Center also sponsors and organizes lectures, readings, film screenings, concerts, symposia, and exhibitions on topics of interest to the university and the community at large.

The Caloyeras Center for Modern Greek Studies is located in University Hall. For more information, call 310.338.4463 or visit the website at <http://bellarmine.lmu.edu/moderngreek>.

## **LMU Extension**

### **Continuing Education**

LMU Extension is the continuing education unit of Loyola Marymount University. Utilizing both in-class and online platforms, LMU Extension offers transformative learning opportunities by means of professional certificate programs, coursework and special events in business and nonprofit development, counseling, education, ministry, the arts and humanities, and other fields of study that support the academic and professional goals of nontraditional students and lifelong learners.

LMU Extension offers certificates, courses, programs, institutes, conferences, and lectures which provide a variety of educational experiences to members of the community. There are three types of classifications of such offerings.

The first of these is Professional Development courses in a certificate or professional development program with identifiable subject areas or in particular disciplines, e.g., teacher education. These are offered under a departmental rubric and carry University semester hours of continuing education/professional development credit. The second type are those courses with academic content falling outside the normal undergraduate or graduate offerings. Such courses and programs are offered under the rubric CNTX. Credit is recorded in semester hours; 1.0 semester hour represents 10 continuing education contact hours. The third type is personal enrichment programs covering a variety of activities that might include dance, martial arts, or yoga, to name but a few.

Regular Loyola Marymount undergraduate students may enroll in "For Credit" LMU Extension courses with permission of their College or School Dean, at the fees quoted for such courses, above and beyond regular full-time tuition. Enrollment in other LMU Extension offerings is unrestricted unless otherwise specified, also at the fees quoted.

LMU Extension is located in University Hall, Suite 1863. For more information, please call 310.338.1971 or visit the website at <http://academics.lmu.edu/extension>.

## **Disability Support Services**

The Disability Support Services (DSS) Office provides specialized assistance and resources that enable students with documented physical, perceptual, learning, ADD/ADHD, psychiatric disabilities and students on the autism spectrum to achieve maximum independence while pursuing their educational goals. Services are offered to students who have established documented disabilities under federal and state law. Staff specialists constantly interact with all areas of the University to eliminate physical and attitudinal barriers. Please visit our website for more details: <http://www.lmu.edu/dss/> or contact us at 310.338.4216. Please note that all information is confidential.

## **Individualized Study Program**

The Individualized Study Program involves a select number of creative and highly motivated students within all colleges and schools of the University whose educational needs and goals cannot fully be met by individual departments or majors. The program is thus designed to offer each participant greater responsibility in determining the content of his or her major program, based upon the goals to which that major is directed. Students may wish to construct their programs or areas of concentration from interdisciplinary, independent study, field work alternatives, or a combination thereof.

The program is open to freshmen and sophomores who have completed at least one semester in the participating colleges or school. Once accepted into the program by the Dean of the student's college or school, the student selects a counselor who assists in designing the specific content of the major in line with the student's objectives.

The student's program is then formalized into a contract signed by the student, advisor, and Dean. Upon completion of the contracted course of studies, the student is issued a degree in Individualized Studies.

## Orientation

The Freshman Orientation Program welcomes new students to the Loyola Marymount community. During Orientation, students are introduced to the academic and co-curricular programs of the University, meet with faculty for individual academic advisement, and are assisted in registering for courses. Students also become familiar with all of the services, activities, and resources available to them. Throughout the Orientation Program, students interact in small groups, led by current LMU students. Since Orientation provides a useful introduction to the people, programs, and opportunities LMU offers. All incoming freshmen are required to participate in the program. For additional information, please contact the Orientation office at 310.338.7429 or [orientation@lmu.edu](mailto:orientation@lmu.edu).

The Transfer Orientation Program is the best way to acclimate to life at LMU. Orientation helps students become familiar with their new campus, learn about student life, and introduce them to current and other new students as well as helpful and friendly faculty and staff. Some of the activities that take place at orientation include: opportunities to meet faculty and discuss questions about the University; introductions to LMU's wide-ranging events, clubs, and organizations; discussions with current students about various involvement opportunities on campus; and a chance to speak with representatives from all administration areas (Registrar, One Card, Financial Aid, etc.). For additional information regarding Transfer Orientation, please contact Transfer Admission at [transfer@lmu.edu](mailto:transfer@lmu.edu).

## Postbaccalaureate Premedical Program

The Loyola Marymount University Postbaccalaureate Premedical Program is for those who received a bachelor's degree from an accredited four-year institution in an unrelated field, and have completed less than four of the prerequisite courses for admission to medical or dental school. A minimum undergraduate GPA of 3.2 is required to qualify for the program. The ideal candidate will have had sufficient experience in the medical field, either through volunteer work or previous employment, to serve as a basis for an informed, mature, and committed decision to enter the field of medicine or dentistry.

The program is designed to prepare students for the challenges of medical and dental school by offering intensive, full-time study in the classroom and in the community over a 13-month period. The program enrollment is set at 14-16 students to give individual attention, support, advising, and resources that meet students' needs.

LMU offers a structured and comprehensive curriculum that gives students the opportunity to prepare for the MCAT or DAT in five terms.

To remain in the program, students will need to successfully complete a full-time load (minimum 12 semester hours Fall and Spring semesters, and 6 semester hours in two 6-week Summer sessions) and maintain a minimum of 3.2 term GPA.

Individuals interested in applying to this program should check the program website for application materials and timeline: <http://cse.lmu.edu/centerforstudentsuccess/healthprofessionsadvising/pre-medicalpost-baccalaureateprogram>.

For questions about the program, please send an email to [pre-health@lmu.edu](mailto:pre-health@lmu.edu).

## **Preparation for a Career in Law**

The University offers several curricula that are appropriate for students who plan to enter law school upon the completion of their undergraduate degree. The prelaw student should select a course of study that insures the development of the skills essential to the successful study of law: 1) the ability to use language and communicate effectively and 2) the ability to think critically and creatively. In addition, the prelaw curriculum must provide a broad understanding of basic human institutions and values.

To insure they follow an appropriate course of study, prelaw students are advised to select their classes in consultation with the University Prewal Advisor. The Prewal Advisor also serves as a resource person for students during the law school application process.

## **Preparation for the Health Professions**

The Health Professions Information Program provides the student with regular informational meetings. The Director of the Program serves as a resource person and is available for individual consultation. The Director's Office distributes relevant materials to prospective applicants and maintains their files for the Health Professions Advisory Committee. The Committee assists students in completing the application process to health professional schools.

The University offers pre-health professional curricula for those students who plan to apply for admission to the following programs: Medicine, Dentistry, Optometry, Pediatric Medicine, Veterinary Medicine, Pharmacy, Medical Technology, Occupational Therapy, Physical Therapy, and Public Health. These curricula are not degree programs, and students who wish to complete the requirements for a Bachelor's degree before admission to a professional school should select a major within the University. Students usually select a biology, biochemistry, or other science major. Students in other majors should consult with the director early in their college career about blending pre-health profession courses with their chosen major. In addition to fulfilling the requirements of the chosen major, specific requirements of the professional programs should be satisfied. The following lower division courses are usually required: BIOL 101, BIOL 102, BIOL 111, BIOL 112, BIOL 201, BIOL 202; CHEM 110, CHEM 111, CHEM 112, CHEM 113, CHEM 220, CHEM 221, CHEM 222, CHEM 223; English (6 semester hours); MATH 122, MATH 123; PHYS 253, PHYS 254; and PSYC 1000. In addition, other specified upper division biology, biochemistry, and statistics courses and electives from Liberal Arts, Fine Arts, and the Sciences may be required.

Students should be aware that many health professional schools do not recognize some AP credits and that alternative coursework may need to be completed to meet admission requirements. Please discuss with the Director.

## **Study Abroad**

### **Semester Study Abroad Models**

Semester programming listed as "featured" indicates federal, state, and institutional aid travels with the student.

### **LMU Semester Programs**

LMU Semester Study Abroad programs provide unparalleled opportunities to learn in a distinctive setting, experience a new culture and become a global citizen. Spending three to four months abroad is the perfect way to really get to know a new city, a new country, and potentially a new language. Students will study with LMU classmates and learn from LMU faculty and local instructors. LMU semester programs offer a range of core and specialized courses, for which students will earn LMU credit and grades. All courses are taught in English with the exception of foreign language courses.

Students apply for the program one semester before they would like to participate, register for courses via PROWL, pay LMU tuition and program fee, and keep their financial aid package including any grants and scholarships already awarded. A comprehensive list of LMU semester programming can be found on the LMU Study Abroad website.

## **LMU Exchange Programs**

Exchange programs allow LMU students to spend a semester studying at carefully selected institutions of higher education around the world. An exchange program is an exceptional opportunity to enhance one's college experience and become fully immersed in another culture. LMU students live and study with students from the host country. Academically, they will be challenged by learning a new language, if they choose, or exploring an array of unique course offerings that count as transfer credit toward their LMU degree. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students apply for the program one semester before they would like to participate, pay LMU tuition, and keep their financial package including any grants and scholarships already awarded. Housing and Board costs vary by location and are paid directly to the host institution. At most institutions, LMU students take courses taught in English as well as any applicable foreign language courses. Exchange Programs in Spanish speaking countries require that students have an intermediate level of Spanish, as they will take classes taught in Spanish as well as any available courses taught in English. A comprehensive list of reciprocal exchange programming can be found on the LMU Study Abroad website.

## **Other Featured Programming**

Loyola Marymount University highlights other programming offered by other U.S. or international institutions. One such organization is the Association of Jesuit Colleges and Universities, which has a common mission and belief in the development of the whole person and a commitment to social justice, service, and leadership development. The LMU Study Abroad Office offers several AJCU semester study abroad programs, which have been selected to meet LMU standards. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students apply for the program one semester before they would like to participate, pay LMU tuition and program fee, and keep their financial package including any grants and scholarships already awarded. A comprehensive list of other featured programming can be found on the LMU Study Abroad website.

## **Non-LMU Study Abroad Programs**

A list of other academically approved programs may be found on the Study Abroad website. If a student chooses to study abroad in one of the approved programs, he or she must follow the administrative procedures below in order to receive prior approval. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher. Schedule an advising appointment with the Study Abroad Advisor who advises for Non-LMU programs.

- In addition to the host institution application materials a student must submit directly to the host institution, he or she must complete an LMU Study Abroad Application by the deadline. Students will go through the Study Abroad Transfer of Credit Approval (TCA) process to determine how the courses will transfer towards their degree as part of their LMU Study Abroad Application.
- Students are strongly encouraged to speak with their departmental advisor about their study abroad plans and discuss how they fit with their academic plan.
- Students who do not complete the above full administrative procedure starting with the Study Abroad office will not be approved to receive academic credit for their Study Abroad program.

## **Summer Semester Study Abroad Models**

## LMU Summer Programs

LMU Summer Study Abroad programs, typically four to five weeks, provide a rich academic experience complemented by short cultural excursions. Students can take core and specialized courses for which they will receive LMU credit and grades. Each program is led by LMU faculty members whose expertise in the country and subject matter give a lasting perspective of the host country and provide a strong academic foundation.

Students apply for the program through the Study Abroad Office, register for courses via PROWL and pay for the program cost via the Student Account Center. A comprehensive list of programming can be found on the LMU Study Abroad website.

## Non-LMU Summer Programs

Non-LMU Summer Study Abroad programs, typically four to five weeks, provide a rich academic experience complemented by short cultural excursions. The LMU study abroad office has selected a small number of non-LMU summer programs to highlight and offer to our students in conjunction with our own programming. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students apply for the program through the Study Abroad Office and pay for the program cost as indicated on the LMU study abroad website, via the Student Account Center. A comprehensive list of programming can be found on the LMU study abroad website.

## Study Abroad Administrative Procedures and Forms

### Study Abroad Transfer Course Approval Form

The Study Abroad Transfer Course approval form is used for all study abroad programming models aside from the full LMU semester or summer programs. The Study Abroad Transfer Course Approval (SATCA) form is part of the application process for study abroad. In order for transfer work to be eligible for LMU credit, a course must be passed with a grade of "C" or higher.

Students who wish to receive transfer credit towards their degree must:

- Complete a Study Abroad Transfer course approval form listing all courses. If you are taking courses which are part of your academic major program, you must obtain the approval of the Department Chair for each course. Take the approved form to your Dean's Office for approval and then submit it to the Study Abroad Office for further processing.
- Courses which have not received prior approval on the SATCA form generally do not earn LMU credit. Students seeking to transfer credit from overseas program experiences that does not follow the full pre-approval process may find that credit is not transferable.
- All Study Abroad work completed through a sponsoring institution must be documented on an official transcript from a U.S. Institution accredited by one of the six regional associations of the Accrediting Commission for Senior Colleges and Universities.
- Study Abroad work completed at an international institution must be documented on an official academic record from an institution recognized by the Ministry or Department of Education of that country. Work completed at institutions which do not have official recognition by the Ministry or Department of Education of that country are not eligible for transfer.
- Order an official transcript from the University attended and have it sent directly to the LMU Office of the Registrar. LMU course credit will not be granted without an official transcript.

### Study Abroad Petitions

Students who would like to participate in a semester program that is not pre-approved must petition the Study Abroad Office for a one-time program approval. This process must be started at least one year before the study abroad semester. Students wishing to petition for summer programming must submit a similar petition by March 1 in advance of any non-LMU summer program of that same year. Students must demonstrate a compelling academic reason to attend and follow the full administrative procedure

starting with the Study Abroad Office. The petition must be pre-approved by the Study Abroad Office, the student's Associate Dean and the institution accreditation must be verified and approved by the Office of the Registrar.

The Study Abroad Office strongly recommends that the full administrative petition process be completed before the student makes any payment to a non-approved program.

For more information regarding Study Abroad opportunities, please consult the Study Abroad website (<http://www.lmu.edu/studyabroad>) or contact the Director of Study Abroad, Lisa Loberg, at [Lisa.Loberg@lmu.edu](mailto:Lisa.Loberg@lmu.edu), 310.338.1973.

## Thomas and Dorothy Leavey Center for the Study of Los Angeles

The Thomas and Dorothy Leavey Center for the Study of Los Angeles is one of the leading undergraduate research centers in the nation. It is a respected leader in public opinion surveys, exit polling, and leadership and community studies.

Founded in 1996, the Center conducts groundbreaking research through its LA Votes exit poll project, LA Riots Anniversary Studies, and LA Region Public Opinion and Leaders Surveys. It provides rigorous, mentored research experiences for undergraduate students with an emphasis on hands-on field research.

The Leavey Center for the Study of Los Angeles is located in University Hall, Suite 4119. For more information, please call 310.338.4565 or visit the website at <http://academics.lmu.edu/studyla>.

## University Library

The William H. Hannon Library serves as the cultural and intellectual heart of the LMU Campus. The librarians at the Hannon Library support the academic success of each student and faculty member by providing outstanding information resources, expert research assistance, and access to advanced technology in a beautiful and comfortable setting. Housed in a modern LEED Gold certified building located centrally on campus overlooking the bluff and the city of Los Angeles, LMU librarians offer services and collections both physical and digital to support the learning and research needs of the LMU community 24 hours a day.

Information literacy-the ability to identify information needs, locate and access relevant information, and critically evaluate a diverse array of sources-is a key skill embedded throughout all four years of the LMU Core Curriculum. LMU Librarians collaborate closely with faculty to offer expert, customized information literacy instruction to help students develop and hone their research and critical thinking skills in every discipline. In addition to research instruction integrated into the classroom, expert help is available from a librarian in-person at the Information Desk and 24/7 in a variety of formats including chat, email, and phone.

Hannon Library's collections include more than 600,000 ebooks, 598,000+ in print, 53,000+ online journals, and approximately 350 online research databases. The Department of Archives and Special Collections houses rare books, manuscripts, art, and the University Archives. Notable holdings include original works by St. Thomas More, Oliver Goldsmith, and other rare English and American first editions. Other important collections include the papers of the motion picture producer Arthur P. Jacobs, best known for the *Planet of the Apes* series, and the Werner Von Boltenstern postcard collection, which contains over a million cards. The library also houses the Research Collection of the Thomas and Dorothy Leavey Center for the Study of Los Angeles which collects research materials relating to local public officials, post-World War II developers, late twentieth-century reformers, and prominent Catholic families.

The Digital Library Program leads and facilitates digital scholarship and digital humanities on campus. *LMU Digital Collections* showcases digitized materials from the Department of Archives and Special Collections, contain materials in various formats, and cover a variety of subject areas including the history of Southern California, Catholicism in Los Angeles, and Loyola Marymount University; postcards from around the world; medieval manuscripts and more. *Digital Commons at Loyola*

*Marymount University and Loyola Law School*, an initiative of the William H. Hannon Library and the William M. Rains Library, serves faculty and institutional interests by collecting, organizing, preserving, and disseminating faculty and student scholarship and creative works in a digital, open-access environment. It also serves as the platform for the publication of the university's law and other academic journals.

The library also contributes to the education of the whole person through a robust and diverse lineup of cultural and intellectual programming and exhibitions. By partnering with a wide range of campus units throughout the academic year, the library offers entertaining and educational author talks, discussions, receptions, installations, and performances designed to highlight library collections and the research and creative works of our LMU students and faculty.

# University Administration and Faculty

## University Administration

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**MICHAEL R. FOY (1987)**

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**ARTHUR GROSS-SCHAEFER (1980)**

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**TIMOTHY HAIGHT (2018)**

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B.S., Illinois State University, 2007;  
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**MITCHELL HAMILTON (2012)**

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B.S., San Diego State University, 2002;  
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**MICHELE L. HAMMERS (2004)**

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*Head of Reference and Instruction Services*

B.A., Emory University, 1996;  
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B.A., Florida State University, 2010;  
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*Dean of William H. Hannon Library*

B.A., Scripps College, 1973;

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**AISHA CONNER-GATEN (2016)**

*Instructional Design Librarian*

B.A., University of Illinois at Urbana-Champaign, 2010;

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B.A., University of Illinois at Urbana-Champaign, 2001;

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B.A., The Ohio State University, 1983;

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B.A., University of California, Davis, 2010;

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B.F.A., University of Washington, 1998;

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B.A., Troy University, 2005;

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B.F.A., Saint Mary's College (Indiana), 1993;

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B.A., Loyola Marymount University, 1997;  
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B.A., Sarah Lawrence College, 1988;  
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B.A., University of California, Los Angeles, 1977;  
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B.A., Hendrix College, 2003;  
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**WALTER ARLEN**

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**WILKIE AU**

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**BOGIDAR AVRAMOV**

*Music*

**THOMAS M. BATSIS, O.CARM.**

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**J. ROSS BENGEL**

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**LARRY C. BERNARD**

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**MELVIN R. BERTOLOZZI**

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