College of Arts and Sciences

LEADERSHIP
Christopher Duncan, Ph.D.
Dean
Janet Barber, Ph.D.
Associate Dean, Graduate Education
Gary W. Barker, M.F.A.
Associate Dean for Undergraduate Affairs
Donna J. LaVoie, Ph.D.
Associate Dean for Faculty Affairs
Denise P. Sleet, Ph.D.
Assistant Dean for Academic Advising

DESCRIPTION
The College of Arts and Sciences, established in 1818, is the oldest academic unit in the University. In keeping with the University's mission, the primary objective is to impart a liberal education with a core curriculum designed to educate the whole person. Specifically, the College Curriculum is designed so that graduates are able to make value-centered, ethically-based judgments, are academically competent in their chosen disciplines and prepared to enter a variety of careers, professional and/or graduate schools, and are inspired to be effective leaders for change.

The College offers Bachelor of Arts, Bachelor of Science, majors, minors, and a certificate through numerous departments. The College is certified by the Higher Learning Commission of the North Central Association of Colleges and Schools.

ACCREDITATION
Art History
The Art History program has been continuously accredited, since 2011, by the National Association of Schools of Art and Design.

Biochemistry
The Bachelor of Science in Biochemistry has been continuously certified by the American Chemical Society since 1948.

Chemistry
The Bachelor of Science in Chemistry has been continuously certified by the American Chemical Society since 1948.

Clinical Psychology
The American Psychological Association has continually accredited the clinical psychology program since 1985. Questions related to the program's accreditation status should be directed to the American Psychological Association's Commission on Accreditation:

Office of Program Consultation and Accreditation
American Psychological Association
750 1st Street, NE, Washington, DC 20002 Phone: 202-336-5979
apa.org/ed/accreditation

Studio Art
The Studio Art program has been continuously accredited, since 2011, by the National Association of Schools of Art and Design.

UNDERGRADUATE DEGREES AND MAJORS
Concentrations listed in italics
Bachelor of Arts Degrees (B.A.)
+ African American Studies
+ American Studies
+ Anthropology (Sociology and Anthropology)
+ Art History (Fine and Performing Arts)
+ Biology
+ Biochemistry (Chemistry)
+ Chemistry
+ Classical Humanities (Languages, Literatures, and Cultures)
+ Communication
  + Advertising and Public Relations
  + Communication, Culture & Community
  + Communication Studies
  + Journalism and Media Studies
  + Leadership, Organizing & Relating
  + Computer Science
  + Contract Major (See Contract Degree Option section)
+ Economics
+ English
  + Creative Writing
  + Rhetoric, Writing, and Technology
  + Research Intensive
+ Environmental Science (Earth and Atmospheric Sciences)
  + Atmosphere
  + Biology
  + Chemistry
  + Geoscience
+ Environmental Studies (Earth and Atmospheric Sciences)
  + Advocacy and Discourse
  + Economics, Politics and Public Policy
  + Natural Sciences
  + Philosophy, Religion and Ethics
  + Society & the Environment through Space and Time
+ French (Languages, Literatures, and Cultures)
+ Geology (Earth and Atmospheric Sciences)
+ German Studies (Languages, Literatures, and Cultures)
+ Greek & Latin Language & Literature (Languages, Literatures, and Cultures)
+ History
+ International Studies (Second Major Only)
+ Italian Studies (Languages, Literatures, and Cultures)
+ Latin American Studies (Languages, Literatures,
and Cultures)
+ Mathematics
+ Medieval Studies
+ Meteorology (Earth and Atmospheric Sciences)
+ Music (Fine and Performing Arts)
  + Music Studies
  + Performance
+ Philosophy
  + General
  + Historical
  + Health Sciences
  + Society and Law
+ Physics
+ Political Science
  + International Affairs
  + International Relations (Madrid)
  + Public Law
  + Public Policy
+ Psychology
+ Russian Studies (Languages, Literatures, and Cultures)
+ Sociology
  + General Sociology
  + Gender, Sexuality, and the Body
  + Health and Medicine
  + Law, Crime, and Deviance
  + Urbanization, Immigration, and Demography
+ Spanish (Languages, Literatures, and Cultures)
+ Studio Art (Fine and Performing Arts)
+ Theatre (Fine and Performing Arts)
+ Theological Studies
+ Women's and Gender Studies

Bachelor of Science Degrees (B.S.)
+ Biology
  + Biological Science
  + Cell Biology & Physiology
  + Ecology, Evolution, and Conservation
  + Biological Chemistry and Molecular Biology
  + Plant Science
+ Biochemistry (Chemistry)
+ Chemistry
+ Chemistry - Cooperative Engineering Program
+ Computer Science
+ Contract Major (See Contract Degree Option section)
+ Environmental Science (Earth and Atmospheric Sciences)
  + Atmosphere
  + Biology
  + Chemistry
  + Geoscience
+ Forensic Science (Sociology and Anthropology)
+ Geology (Earth and Atmospheric Sciences)
+ Geophysics (Earth and Atmospheric Sciences)
+ Mathematics
+ Meteorology (Earth and Atmospheric Sciences)
+ Neuroscience
+ Psychology

American Studies
+ Anthropology (Sociology and Anthropology)
+ Art History (Fine and Performing Arts)
+ Asian Studies (Political Science)
+ Biology
+ Chinese (Languages, Literatures, and Cultures)
+ Catholic Studies (Manresa Program)
+ Communication
+ Computational Geospatial Science (Sociology and Anthropology)
+ Computer Science
+ Creative Writing (English)
+ Creative and Professional Writing (English & Communication)
+ Drama Studies
+ Engineering Mathematics (Mathematics and Statistics)
+ English
+ Environmental Science (Earth and Atmospheric Sciences)
+ Film Studies (English)
+ Forensic Science (Sociology and Anthropology)
+ Foreign Service (Political Science)
+ French (Languages, Literatures, and Cultures)
+ Geology (Earth and Atmospheric Sciences)
+ German (Languages, Literatures, and Cultures)
+ Global and Local Social Justice (Political Science)
+ Greek (Languages, Literatures, and Cultures)
+ History
+ Ibero-American Studies (Madrid)
+ Italian (Languages, Literatures, and Cultures)
+ Latin (Languages, Literatures, and Cultures)
+ Latin American Studies (Languages, Literatures, and Cultures)
+ Mathematics
+ Medical Humanities (English)
+ Medieval Studies (Center for Medieval and Renaissance Studies)
+ Meteorology (Earth and Atmospheric Sciences)
+ Middle East Studies (International Studies)
+ Music (Fine and Performing Arts)
+ Philosophy
+ Physics
+ Political Science
+ Political Journalism (Political Science & Communication)
+ Psychology
+ Russian and Eastern European Studies
+ Russian (Languages, Literatures, and Cultures)
+ Spanish (Languages, Literatures, and Cultures)
+ Sociology
+ Urban Poverty Studies (Micah Program)
+ Studio Art (Fine and Performing Arts)
+ Theatre (Fine and Performing Arts)
+ Theological Studies
+ Visual Communication (Communication & Fine and Performing Arts)
+ Women's and Gender Studies

Undergraduate Policies
Additional information may be found at the College of Arts and Sciences Academic Policies and Procedures
Requirements for the Contract Option are:
+ The student must prepare a Contract proposal that includes a detailed term-by-term degree plan, which must be approved by the advisory committee and the Dean's Office.
+ The Contract must adhere to University guidelines governing Contract majors.

For further information contact the Associate Dean for Undergraduate Affairs, Verhaegan Hall, 218.

The Double Major
Many students find it possible to complete the requirements for two (or more) majors within the College. The 120 credits required for graduation may remain sufficient, if the Core requirements as well as both major requirements can be fulfilled. In addition to fulfilling the general requirements for degree completion, the student seeking a double major must:
+ Complete a major confirmation/declaration form for each major.
+ Upon acceptance by each department/major, be assigned a mentor for each major.
+ Satisfy requirements in each major.

A student enrolled in another school or college of the University may earn a second major within the College of Arts and Sciences by satisfying the Core requirements of the degree granting school or college, the requirements for each major, and completing the minimum number of credits for degree conferral required by the degree granting school or college.

Both departments and the student make an agreement to accept and coordinate the potential program at the outset. No department is required to participate in a double major program when it is felt that for some reason a particular combination is impractical.

UNDERGRADUATE CORE CURRICULUM
The mission of the Core Curriculum of the College of Arts and Sciences is to foster the development of "women and men for others" who are dedicated to the common good, social justice, and effective leadership. The mission is accomplished by a curriculum which:
+ develops a broad understanding of ethical and religious principles and their relationship to the moral challenges of everyday life,
+ provides students with practical knowledge and theoretical frameworks to understand and transform the world and address forthrightly the moral questions confronting today's society,
+ develops sensitivity to the points of view of the oppressed and the marginalized,
+ strives to reduce ethnocentric biases and encourages a scholarly perspective on cross-cultural issues,
+ exposes students to different disciplines and their variety of approaches to the quest for knowledge,
+ provides the tools for further learning through courses in the humanities, social sciences, arts, natural sciences, and mathematics,
+ enhances effective communication through courses
in composition and foreign language,
+ increases awareness of the imaginative, artistic, and affective capacities of humankind,
+ encourages an understanding of past traditions as well as an orientation toward present social problems

Such a Core equips students with the intellectual tools so that they can begin to understand the present and prepare for the future.

Bachelor Degree Graduation Requirements
+ Complete a minimum of 120 credits (excluding pre-college level courses [numbered below 1000]).
+ Complete either the College of Arts and Sciences Bachelor of Arts or Bachelor of Science Core Curriculum Requirements
+ Complete Major Requirements: minimum 30 credits required.
+ Complete remaining credits with a second major, minor, certificate, or related elective credits approved in consultation with the mentors/advisor to assist the student in reaching the minimum of 120 credits required for graduation.
+ Achieve at least a 2.00 cumulative grade point average, a 2.00 grade point average in the major(s) and a 2.00 grade point average in the minor/certificate, or related elective credits.
+ Complete Dept/Program specific academic and performance requirements.
+ Complete at least 50% of the coursework for the major and 75% for the minor/certificate through Saint Louis University or an approved study abroad program.
+ Complete 30 of the final 36 credits through Saint Louis University or an approved study abroad program.
+ Complete an online degree application by the required University deadline.

Bachelor of Arts Core Curriculum Requirements

Core Components and Credits
Foundations of Discourse 3
Diversity in the U.S. 3
Global Citizenship 3
Foreign Language 0-9
Fine Arts 3
Literature 6
Science 6
Mathematics 3
World History 6
Philosophy 9
Theology 9
Social Science 6

Additional Information
Detailed information can be found at www.slu.edu/arts-and-sciences/student-resources/core-curriculum

Core Curriculum Fulfillment Policies
A single course may not fulfill more than one Core requirement, except for Diversity in the US and Global Citizenship courses, which may do "Double Duty" by satisfying another Core, major, minor, or certificate requirement.

Courses that meet both requirements of the Core Curriculum and a department's or program's requirement for the major, minor, or certificate may be regarded as fulfilling both requirements simultaneously, provided departmental and program policies are preserved. For example, English majors may not use Core literature courses to satisfy the major.

Neither cross-listed courses, nor courses meeting both a Core Curriculum and a department's or program's requirement for the major, minor, or certificate are counted twice for degree credit.

Core Requirements for Second Bachelor of Arts Degree Applicants with prior Associate's Degree or Bachelor's Degree:
The student must complete the following from the approved Bachelor of Arts (BA) Core Curriculum:
+ At least one approved three-credit course from each of the BA Core Curriculum required areas of Foundations of Discourse, Cultural Diversity, Fine Arts, Literature, Science, Mathematics, World History, Social Science;
+ Proof of foreign language proficiency at the second course level (1020) or one semester's study in a foreign country at a college/university where a language other than English is employed in courses taken;
+ At least two approved three-credit courses from the Bachelor of Arts Core Curriculum required Philosophy and Theology courses.

**A single course may not fulfill more than one Core requirement (except for Cultural Diversity, which may do "double duty" by satisfying another Core, major, minor, or certificate requirement).
Courses that meet both requirements of the Core Curriculum and a department's or program's requirement for the major, minor, or certificate may be regarded as fulfilling both requirements simultaneously, provided departmental and program policies are preserved. For example, English majors may not use Core literature courses to satisfy the major.

Neither cross-listed courses, nor courses meeting both a Core Curriculum and a department's or program's requirement for the major, minor, or certificate are counted twice for degree credit.

Core Requirements for Second Bachelor of Science Degree Applicants with prior Associate's Degree or and Bachelor's Degree:

The student must complete the following from the approved Bachelor of Science (BS) Core Curriculum:

+ At least one approved three-credit course from each of the BS Core Curriculum required areas of Foundations of Discourse, Cultural Diversity, Fine Arts, Foreign Language, Literature, World History, Social Science;
+ BS Core Curriculum required Philosophy and Theology courses;
+ Four-credit Bachelor of Science Core Curriculum Mathematics course – Calculus I (MATH 1510) or higher;
+ Eight-credit Bachelor of Science Core Curriculum Sciences courses – in a single science outside the student's major.

**A single course may not fulfill more than one Core requirement (except for Cultural Diversity, which may do "double duty" by satisfying another Core, major, minor, or certificate requirement).
INTERDISCIPLINARY MINORS

MINOR IN CATHOLIC STUDIES
www.slu.edu/catholic-studies-program

LEADERSHIP
Christopher Collins, S.J.
Director

Overview
The Catholic Studies Program in the College of Arts and Sciences offers interdisciplinary and integrated study in the Catholic Intellectual Tradition. The program is designed to explore major questions that have occupied Christian philosophers and theologians, artists and literary writers, political theorists and historians, as well as natural and social scientists for two millennia. In addition to a variety of courses in the Christian intellectual tradition, Catholic Studies offers interested students opportunities to explore the history and mission of the Society of Jesus and the traditions underlying Saint Louis University as a Catholic, Jesuit institution. Along with course work, the program also offers a variety of social and spiritual activities.

Program Requirements

Theology (3 credits)

THEO 2110 Old Testament 3
THEO 2210 New Testament 3
THEO 2310 History of Christianity: The First 2000 Years 3
THEO 2515 Social Justice 3
THEO 2410 Making Christianity Credible 3
THEO 2415 The Church: Yesterday & Today 3
THEO 2430 Jesus and Salvation 3
THEO 2510 Christian Ethics: Conscience, Character and Choice 3
THEO 2610 Christian Sacraments 3
THEO 3310 Rise of Christianity 3
THEO 3320 Modern Christianity 3
THEO 3370 Teachers in Medieval Christianity 3
THEO 3375 Women in the Bible 3
THEO 3325 The Reformation of the 16th Century 3
THEO 3305 Marriage & Christian Vocation 3
THEO 3415 Christ and Color: Liberation Theology 3
THEO 3920 Special Topics 3
THEO 4615 Christian Iconography 3

Philosophy (3 credits)

PHIL 3250 Philosophy of Religion 3
PHIL 3300 Philosophy of the Human Person 3
PHIL 4500 History of Medieval Philosophies 3
PHIL 4840 Catholic Social Thought 3
PHIL 4880 Topics in the Philosophy of Religion 3

English (3 credits)

ENGL 3700 The Bible and Literature 3
ENGL 4210 Beowulf 3
ENGL 4220 Chaucer: The Canterbury Tales 3
ENGL 4250 Chaucer: Troilus & the Shorter Works 3
ENGL 4300 Age of Elizabeth 3
ENGL 4330 Renaissance Drama 3
ENGL 4340 Renaissance Poetry & Prose 3
ENGL 4350 Seventeenth Century Literature 3
ENGL 4360 Milton 3
ENGL 4370 Renaissance Literature and Rhetoric 3

History (3 credits)

HIST 3030 The Byzantine Empire 3
HIST 3040 The Middle Ages to 1100 3
HIST 3070 Catholic Tradition to 1540 3
HIST 3080 Catholic Tradition since 1540 3
HIST 3150 History of Orthodox & Eastern Churches 3
HIST 3220 Jesuits in Asia 3
HIST 3260 English History: Tuders 1485-1603 3
HIST 3930 Special Topics* 3

Catholic Studies Capstone (3 credits)
CATH 4980 Catholic Studies Capstone Course 3

Catholic Studies Elective (3 credits)
Choose from a course above or from below.

ARTH 1600 Life and Time of Michelangelo 3
ARTH 2100 Art of Jerusalem and 3 Faiths 3
ARTH 2200 Art in Rome 3
ARTH 2400 Medieval Art Survey 3
ARTH 2150 Saints in Art 3
ARTH 3400 Art of Pilgrimage and Crusades 3
ARTH 3410 Gothic Art 3
ARTH 3500 Early Renaissance Art & Culture 3
ARTH 3510 High/Late Renaissance Art & Culture 3
ARTH 3520 Northern Renaissance Art 3
ARTH 4010 Christian Iconography 3
ARTH 4400 Illuminated Manuscripts 3
ARTH 4850 Religious Dimenion in Mod Art 3
ARTH 4930 Jesuits and the Arts 3
ARTH 4933 Jesus in Art & Film 3
BIOL 2930 Special Topics* 3
COMM 3440 Media Ethics* 3
GR 3200 German Culture Studies I 3
GR 4020 Greek Fathers 3
GR 4700 Readings in Byzantine Greek 3
LATN 4101 Latin Fathers 3
LATN 4280 Readings in Saint Augustine 3
RUSS 4930 Russian Orthodox: Theology & History 3

TOTAL CREDITS: 18

Continuation Standards
A student must maintain a GPA in coursework for the minor in Catholic Studies of at least 2.0.

MINOR IN FILM STUDIES
www.slu.edu/arts-and-sciences/academics/degrees/undergraduate/film-studies.php

LEADERSHIP
Vince Casaregola, Ph.D.
Director

Overview
The Film Studies Program is an 18-credit interdisciplinary minor developed by film scholars, technical crafts persons, and historians from various departments of the College of Arts & Sciences. Film Studies offers students the opportunity to explore the cinema from a wide array of perspectives, as evidenced by its affiliation with African American Studies, American Studies, Communication, English, Fine and Performing Arts, History, and Languages, Literatures and Cultures. It also cross-lists courses with Philosophy, Political Science, Theology, and Women's and Gender Studies. The program is designed primarily for students interested in film history and
analysis but also includes a production component and the opportunity to execute internships at local television stations, such as KETC/Channel 9 and the Higher Education Channel. Students more excited by the business and commercial aspects of film frequently complete internships at Cinema St. Louis, St. Louis, MO.

In touch with today's multi-cultural, multi-mediated environment, the Film Studies Minor encourages broad visual literacy and connects these analytical skills with the expertise of various disciplines. The program also promotes study abroad, particularly on the Saint Louis University Madrid, Spain campus.

Career opportunities include:
+ Media studies at the graduate level
+ Media production in film, television, and digital communication
+ Advertising and professional writing
+ Law, with specific emphasis upon entertainment, media, and the internet
+ High Tech business functions, such as internet marketing and web design

Program Requirements

**Foundational Courses:** (3 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 1400</td>
<td>Film Criticism</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2750</td>
<td>Film, Culture and Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

**Electives (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 2510</td>
<td>Video Production and Design</td>
<td>3</td>
</tr>
<tr>
<td>GR 4360</td>
<td>German Film</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4180</td>
<td>American Film Genres</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 3200</td>
<td>Topics: International Film</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4370</td>
<td>Latin-Am Literature &amp; Film</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 3120</td>
<td>Media Scriptwriting</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 3180</td>
<td>Film</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 3770</td>
<td>Film and Literature</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4090</td>
<td>Screenwriting</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4170</td>
<td>American Film History</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4430</td>
<td>Culture, Technology &amp; Communication</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4810</td>
<td>French Cinéma</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4850</td>
<td>French Cinema II (1980s-1990s)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Capstone Experience (3 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FSTD 4980</td>
<td>Film Studies Capstone Course</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4910</td>
<td>Film Studies Internship</td>
<td>3</td>
</tr>
<tr>
<td>FSTD 4990</td>
<td>Advanced Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits:** 18

**Continuation Standards**

Students must maintain a 2.00 minimum cumulative GPA in Film Studies courses in order to continue in the program.

**Minor in Global and Local Social Justice**


**Leadership**

Robert Strikwerda, Ph.D.
Director

**Overview**

The mission statement of Saint Louis University affirms a commitment to the "promotion of faith and justice in the spirit of the Gospels." Because of this commitment, SLU attracts a great many students who are moved to confront fundamental social problems such as poverty, injustice, or war. In order to address these and other problems meaningfully, students must understand the social and political systems that contribute to them causally and the cultural environments in which they occur. The aim of this unique interdisciplinary minor program is to provide students with such an understanding.

The Global and Local Social Justice interdisciplinary minor is a cooperative program that draws required or elective courses from several departments and programs, including American Studies, Political Science, Public Health, Public Policy Studies, Sociology and Anthropology, Social Work, and Women's and Gender Studies. The interdisciplinary minor is open to all majors. To be admitted, students must have at least a 3.0 GPA and be approved by the program director.

**Program Requirements**

**Theories of Justice Requirement (3 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>POLS 2930</td>
<td>Theories of Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3710</td>
<td>Ancient &amp; Medieval Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3720</td>
<td>Renaissance &amp; Mod Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3770</td>
<td>Feminist Theory: Gender Justice</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 3100</td>
<td>Public Health and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2100</td>
<td>Classical Social Theory</td>
<td>3</td>
</tr>
<tr>
<td>WGST 3720</td>
<td>Renaissance &amp; Mod Political Thought</td>
<td>3</td>
</tr>
<tr>
<td>WSTD 3760</td>
<td>Feminist Theory: Gender Justice</td>
<td>3</td>
</tr>
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</table>

**Local and Domestic Issues Requirement (3 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AAM 2000</td>
<td>Intro to African American Studies</td>
<td>3</td>
</tr>
<tr>
<td>ASTD 3200</td>
<td>The Urban Crisis</td>
<td>3</td>
</tr>
<tr>
<td>ASTD 3010</td>
<td>Ethnic Groups in the US</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3220</td>
<td>Urban Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3230</td>
<td>Gender and Society</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3350</td>
<td>Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3380</td>
<td>Racial and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3380</td>
<td>Political Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3500</td>
<td>Social Inequality</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 3100</td>
<td>American Social Welfare System</td>
<td>3</td>
</tr>
<tr>
<td>SWRK 3200</td>
<td>Diversity and Anti-Oppression Practice</td>
<td>3</td>
</tr>
<tr>
<td>WGST 1900</td>
<td>Introduction to Women's Studies</td>
<td>3</td>
</tr>
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</table>

**Global Issues Requirement (3 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1610</td>
<td>Politics of the Developing World</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2520</td>
<td>Introduction to African Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2570</td>
<td>Introduction to Latin American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3500</td>
<td>Asian Miracles</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3520</td>
<td>Communism, Capitalism, and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3540</td>
<td>Latin American Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3570</td>
<td>Politics of Development</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3600</td>
<td>Problems of Globalization</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4500</td>
<td>Democratization</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4620</td>
<td>Global Diplomacy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4840</td>
<td>Politics of Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 2100</td>
<td>Introduction to Global Health</td>
<td>3</td>
</tr>
<tr>
<td>PUBH 2300</td>
<td>Contemporary Issues In Global Health</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2220</td>
<td>Peace and Conflict Studies</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3480</td>
<td>Principles of Social Development</td>
<td>3</td>
</tr>
</tbody>
</table>

**Directed Elective (3 credits)**

One additional class in either Local and Domestic Issues or Global Issues

**Service Learning Requirement (3 credits)**

Approved internships
MINOR IN IBERO-AMERICAN STUDIES

LEADERSHIP
Francisco García-Serrano, Ph.D., Director

Overview
The Minor program in Ibero-American Studies offered on the Madrid Campus provides a richly interdisciplinary approach to the history, politics and culture of Spain, Portugal and Latin America. Courses drawn from the fields of History, Political Science, Anthropology, Archaeology, Economics, Art History, Philosophy and Theology, as well as Spanish literature and Portuguese - enable students to explore the complex dynamics of Ibero-American societies, from the pre-historic era to the present. Moreover, by living and studying in Madrid and taking part in trips to or experiential opportunities in Latin America and different regions of the Iberian Peninsula, students not only study Ibero-American issues, they experience them.

The IAS Minor requires six courses, and courses of study may be tailored based on a student's interests and career aspirations. Students at the Madrid Campus can complete the IAS Minor in 2 semesters or in 1 semester and 1-2 summer sessions. Because the minor is multidisciplinary, students may simultaneously pursue it and their major area of study, all while staying on track for an on-time graduation.

Program Requirements

General Requirements
+ Students must complete two semesters or one semester and one-two summer sessions in residence on the Madrid Campus;
+ The language of instruction of at least one of the courses from areas I and II (History / Social Sciences and Humanities) must be Spanish;
+ Saint Louis University students must complete at least 12 of the 18 required credits on the Madrid Campus.
+ Students must participate in a pre-approved experiential learning activity in or related to Ibero-America or in the excursion to Latin America offered periodically after the spring semester final exam period, or must have demonstrated living experience in Latin America.

History (6-9 credits)
Students must take a minimum of three credits from group A and three from group B.

Group A: Spanish History
HIST 3320 Early Modern History of Spain: 1480-1808 3
HIST 3330 Modern History of Spain: 1808 to the Present 3
HIST 3340 The Spanish Civil War 3
HIST 3760 Medieval Spain: Christians, Jews and Muslims 3
HIST 3770 History of the Jews in Spain 3
HIST 3345 National Identity in Spain 3

Group B: Latin American History
HIST 3170 History of Colonial Latin America 3
HIST 3180 History of Modern Latin America 3

Social Sciences and Humanities (6-9 credits)
Students must take a minimum of 3 credits from group A and 3 from group B.

Group A: Iberian Studies
ECON 3790 The Economies of Latin America and Iberia 3
ARTH 2180 History of Spanish Art 3
ARTH 2190 The Art and History of Madrid 3
ARTH 3630 The Golden Age of Spanish Art 3
ARTH 4240 Jewish and Muslim Art in the Iberian Peninsula 3
PHIL 4780 Spanish Philosophy 3
POLS 3670 Political Development in Contemporary Spain 3
SOC 3390 Cultural Anthropology: Studies in Spanish Culture 3

Group B: Latin American Studies
POLS 2570 Introduction to Latin American Politics 3
ARTH 4810 Art in Latin America 3
ECON 3790 The Economies of Latin America and Iberia 3
PHIL 4750 Latin American Thinkers 3
THEO 3415 Liberation Theology 3
EAS 2930 Environment and Development in Latin America 3

Language and Literature (3-6 credits)
Students must take a minimum of 3 credits from group B.

Group A: Spanish Literature
SPAN 4200 Introduction to Hispanic Literature 3
SPAN 4580 Golden Age Drama 3
SPAN 4580 Don Quijote 3
SPAN 4610 Spanish Romanticism 3
SPAN 4620 Nineteenth Century Spanish Novel 3
SPAN 4680 Generation of '88 3
SPAN 4670 Twentieth Century Spanish Thought 3
SPAN 4680 Contemporary Spanish Short Stories 3
SPAN 4700 Twentieth-Century Spanish Poetry 3
SPAN 4710 Twentieth-Century Spanish Novel 3
SPAN 4720 Twentieth-Century Spanish Drama 3
SPAN 4750 Spanish Novel after 1970 3
SPAN 4760 Spanish Literature and Film 3
SPAN 4790 Contemporary Spanish Women Writers 3
SPAN 4790 Spanish Culture and Civilization 3
SPAN 4850 18th and 17th Century Spanish Prose 3
SPAN 4830 El Cid / El Libro de Buen Amor / La Celestina 3
SPAN 4930 El Camino de Santiago: Literature and...
Program Requirements

**Introductory Course (3 credits)**
ENGL 3730 Introduction to Medical Humanities 3

**English Requirement (3 credits)**
ENGL 3740 Medicine and Literature 3

**Philosophy Requirement (3 credits)**
PHIL 3380 Medical Ethics 3

**Theology Requirement (3 credits)**
THEO 2525 Christian Morality & Health Care 3
THEO 2820 Religion and Science 3
THEO 2905 Theology of Death & Suffering 3

**History Requirement (3 credits)**
HCE 3200 Freaks and the Medical Body 3
HCE 4200 Warriors and Medics 3
HCE 4250 Law and Bioethics 3
HIST 3350 Plagues and Peoples: Disease and Society 3

**Required Elective Courses (6 credits)**
COMM 3090 Health Communication 3
CSDI 3000 Multicultural Characteristics of the Population 3
ENGL 3490 Public Health and the Victorian Home 3
ENGL 3740 Medicine and Literature 3
ENGL 4590 Medicine, Mind, and Victorian Fiction 3
HCE 3010 Ethical Issues in Clinical Medicine 3
HCE 3200 Freaks and the Medical Body 3
HCE 3210 Superheroes and Social Justice 3
HCE 4110 Race, Ethnicity, and Identity in Health 3
HCE 4200 Warriors and Medics 3
HCE 4230 Consensus and Controversy in Research Ethics 3
HCE 4240 Ethics and Geriatric Care 3
HCE 4250 Law and Bioethics 3
HIST 3350 Plagues and Peoples 3
HIST 4900 Studies in Renaissance Medicine 3
HIST 4901 Health and Social Policy in Africa 3
MUSC 2300 Introduction to Music Therapy 3
PHIL 3380 Medical Ethics 3
THEO 2905 Theology of Suffering and Death 3
THEO 2825 Religion and Science 3
THEO 2525 Christian Morality: Health Care 3

**TOTAL CREDITS: 21**

**Internship**
Internship in a Clinical Setting (ENGL 4910). In place of one elective, students may opt to complete a 3-credit internship in a clinical setting. This internship should involve at least 30 credits of shadowing or other work in a health-care environment. It must be supervised by the Director of Medical Humanities and by a designee in a health care setting. Internships at Saint Louis University Hospitals cannot be counted towards this requirement, but internships in other hospital, classroom, or clinic settings are eligible.

**Capstone Requirement**
In one of the last two courses taken, a student will be required to complete a substantial (18-20 page) research paper appropriate to the course on a topic chosen in consultation with the instructor. Each spring, students completing the Minor will present their term papers at a public forum on campus.

**Continuation Standards**
All Medical Humanities minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

**MINOR IN POLITICAL JOURNALISM**
www.slu.edu/programs/undergraduate/political-journalism.php
**Leadership**
Robert Strikerwa, Ph.D.
Co-Director
Matt Carlson, Ph.D.
Co-Director

**Overview**
The Political Journalism interdisciplinary minor promotes skills in analysis of political phenomena and effective communication of ideas through a variety of platforms. The interdisciplinary minor is suitable for students interested in careers in journalism, public relations in governmental or political organizations, or work on political campaigns.

**Program Requirements**

**Required Courses (13 credits)**
- CMM 2100 Journalism News Writing 3
- CMM 2500 Media and Society Lab 1
- CMM 4100 Multiplatform Journalism 3
- POLS 1100 American Political System 3
- POLS 1800 Introduction to International Politics 3

**Communication Elective Courses (6 credits)**
- CMM 3080 Political Communication 3
- CMM 3110 Feature Writing 3
- CMM 3120 Editorial and Opinion Writing 3
- CMM 3140 Essay Writing 3
- CMM 3420 Literary Journalism 3
- CMM 4160 Editing 3
- CMM 4420 Theory of Free Expression 3
- CMM 4470 Media and Politics 3

**Political Science Electives (6 credits)**
- POLS 1200 Intro to State and Local Politics 3
- POLS 1610 Politics of a Developing World 3
- POLS 2100 The American Constitution 3
- POLS 2140 The American Presidency 3
- POLS 2150 Black Politics 3
- POLS 2180 Campaigns and Elections 3
- POLS 2220 Urban Politics 3
- POLS 2520 Introduction to African Politics 3
- POLS 2530 Soviet and Post-Soviet Politics 3
- POLS 2540 Ethnicity and Internal War 3
- POLS 2550 Political Systems of Sub-Saharan Africa 3
- POLS 2560 Politics of Asia 3
- POLS 2570 Introduction to Latin American Politics 3
- POLS 2590 Politics of the Middle East and N Africa 3
- POLS 2600 Intro to International Political Economy 3
- POLS 2840 International Terrorism 3
- POLS 2860 Middle East in International Politics 3
- POLS 3130 Civil Liberties and Civil Rights 3
- POLS 3140 Public Opinion & Mass Communication 3
- POLS 3200 Women and Political Leadership 3
- POLS 3500 East Asian Political Economy 3
- POLS 3800 Problems of Globalization 3
- POLS 3820 International Organizations & Management of World Problems 3
- POLS 3850 International Relations of Africa 3
- POLS 3740 Capitalism, Racism, Patriarchy: Theorizing Structural Power 3
- POLS 3850 Feminism in Action 3

**Minor in Russian and Eastern European Area Studies**

**Overview**
All Russian and Eastern Area Studies minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

**Program Requirements**

**Required Courses (12 credits)**
- HIST 3180 History of Eastern Europe 3
- HIST 3200 History of Russia since 1905 3
- POLS 2530 Soviet and Post-Soviet Politics 3
- RUSS 3050 Conversational Russian 3

**Elective Courses (12 hours)**
- HIST 3030 Byzantine Empire 3
- HIST 3250 World in Conflict Since 1845 3
- HIST 3280 Russia to 1905 3
- PHIL 4740 Philosophy of Karl Marx 3
- POLS 2540 Ethnicity & Internal War 3
- POLS 4500 Russian Political Culture 3
- POLS 3520 Communism Capitalism and Social Justice 3
- POLS 3530 Comparative Revolutions 3
- POLS 4510 Democratization 3
- RUSS 3010 Oral & Written Proficiency in Russian I 3
- RUSS 3020 Oral & Written Proficiency in Russian II 3
- RUSS 3250 Russian Culture and Civilization 3

**TOTAL CREDITS: 24**

**Continuation Standards**
Students in the Political Journalism minor must maintain a 2.0 GPA in Political Journalism coursework.

**Leadership**
Daniel L. Schlaflly, Jr.
Director

**Overview**
The Political Journalism interdisciplinary minor promotes skills in analysis of political phenomena and effective communication of ideas through a variety of platforms. The interdisciplinary minor is suitable for students interested in careers in journalism, public relations in governmental or political organizations, or work on political campaigns.

**Program Requirements**

**Required Courses (13 credits)**
- CMM 2100 Journalism News Writing 3
- CMM 2500 Media and Society Lab 1
- CMM 4100 Multiplatform Journalism 3
- POLS 1100 American Political System 3
- POLS 1800 Introduction to International Politics 3

**Communication Elective Courses (6 credits)**
- CMM 3080 Political Communication 3
- CMM 3110 Feature Writing 3
- CMM 3120 Editorial and Opinion Writing 3
- CMM 3140 Essay Writing 3
- CMM 3420 Literary Journalism 3
- CMM 4160 Editing 3
- CMM 4420 Theory of Free Expression 3
- CMM 4470 Media and Politics 3

**Political Science Electives (6 credits)**
- POLS 1200 Intro to State and Local Politics 3
- POLS 1610 Politics of a Developing World 3
- POLS 2100 The American Constitution 3
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- POLS 3820 International Organizations & Management of World Problems 3
- POLS 3850 International Relations of Africa 3
- POLS 3740 Capitalism, Racism, Patriarchy: Theorizing Structural Power 3
- POLS 3850 Feminism in Action 3

**TOTAL CREDITS: 25**

**Continuation Standards**
Students in the Political Journalism minor must maintain a 2.0 GPA in Political Journalism coursework.
AFRICAN AMERICAN STUDIES
www.slu.edu/arts-and-sciences/african-american-studies

LEADERSHIP
Stefan Bradley, Ph.D.,
Director

OVERVIEW
African American Studies is an interdisciplinary, systematic study of the racial, cultural and ethnic experiences of people of African heritage. The program encourages students to understand national and worldviews of African American and African-world people in order to determine how such views have affected perceptions of self, family and community. The variety of courses across academic disciplines enable students to develop new ways of conceptualizing issues related to race and culture. African American Studies offers both a major and minor and is open to all students pursuing an undergraduate degree, race, ethnicity or national origin.

Undergraduate Offerings
+ Bachelor of Arts in African American Studies
+ Minor in African American Studies

Faculty

Faculty
Jonathan Smith, PhD.

Joint appointed faculty
Stefan Bradley, Ph.D.
African American Studies & History
Katrina Thompson, Ph.D.
African American Studies & History
Chryl Laird, Ph.D.
African American Studies & Political Science
Olubukola Gbadegesin, Ph.D.
African American Studies & Art History

Affiliated Faculty
Stephen Casmier, Ph.D.
Department of English
Eddie Clark, Ph.D.
Department of Psychology
Nathan Grant, Ph.D.
Department of English
Richard D. Harvey, Ph.D.
Department of Psychology
Colleen McCluskey, Ph.D.
Department of Philosophy
George O. Ndege, Ph.D.
Department of History
Joya F. Uraizee, Ph.D.
Department of English
Emmanuel Uwalaka, Ph.D.

Bachelor of Arts in African American Studies

Program Highlights
African American Studies is the exploration of racial, cultural and ethnic perspectives and experiences of people of African heritage. The program of study enables students to understand national and world views of African American and African world people in order to determine how such views have affected perceptions of self, family and community.

Students enrolled in African American Studies courses gain insight and knowledge about the cultures and histories of people of African heritage in the U.S. and throughout the African diaspora. African American Studies courses complement information attained in a variety of academic majors. Recent graduates include students who have also majored in communication, marketing, political science, psychology and social work.

Both the major and the minor give students the opportunity to develop a deeper understanding of the pluralistic society in which they live. Students will become knowledgeable about the African diaspora and be prepared to seek careers or professional programs where they can utilize knowledge in the design and implementation of programs for, and on behalf of, African Americans.

The African American Studies major and minor are both interdisciplinary. Many of the courses offered are cross-listed with other academic departments, and when taken for the African American Studies requirements may also fulfill the College of Arts and Sciences core requirements. The variety of courses across academic disciplines enables students to develop new ways of conceptualizing issues related to race and culture.

Curriculum Overview
A total of 30 credits are required to complete the major in African American Studies. Students complete five core courses designed to introduce them to the goals of the African American Studies program and to help them further develop an understanding of the African diaspora and its impact, interrelationships and dynamics in contemporary African American communities.

Fieldwork and Research Opportunities
The African American Studies program also offers special academic opportunities such as internships and field service projects in African American communities for students who are looking for challenges outside of the classroom.

Careers
Both the major and the minor give students the opportunity to develop a deeper understanding of the pluralistic society in which they live. Students will be prepared to work in careers that design and implement programs and policy for, and on behalf of, African Americans.

Career options include:

+ Advertising agent
+ Business manager
+ Community planner
+ Community relations
+ Copy editor
+ Creative writer
+ Educator/professor
+ Health administrator
+ Journalist
+ Lawyer
+ Linguist
+ Psychologist
+ Sociologist
+ Policy analyst
+ Museum curator

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (15 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AAM 2000</td>
<td>Introduction to African American Studies</td>
<td>3</td>
</tr>
<tr>
<td>AAM 2010</td>
<td>Contemporary Black America</td>
<td>3</td>
</tr>
<tr>
<td>AAM 3000 or 4000</td>
<td>African American Studies Class</td>
<td>3</td>
</tr>
<tr>
<td>AAM 4870</td>
<td>Research and Writing</td>
<td>3</td>
</tr>
<tr>
<td>AAM 4890</td>
<td>Capstone (taken term of graduation)</td>
<td>3</td>
</tr>
</tbody>
</table>

African American Studies Elective Courses (15 credits)

TOTAL CREDITS: 30

Continuation Standards

Students with a major in African American Studies must maintain a 2.0 GPA in courses for the African American major.

MINOR IN AFRICAN AMERICAN STUDIES

Overview
The African American Studies minor can be completed in coordination with any major in the College of Arts and Sciences. Students enrolled in the other Schools and Colleges of the University, should refer to their requirements for coordinating the minor.

Program Requirements
Up to 6 credits of electives can be used to satisfy the Arts and Sciences core as well as the major requirement.

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</tr>
</thead>
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<tr>
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</tr>
<tr>
<td>AAM 4890</td>
<td>Capstone (taken term of graduation)</td>
<td>3</td>
</tr>
</tbody>
</table>

African American Studies Elective Courses (9 credits)

TOTAL CREDITS: 21

Continuation Standards
Students with a minor in African American Studies must maintain a 2.0 GPA in courses for the African American minor.
American Studies provides a systematic interdisciplinary approach to the historical study of the cultures of the United States, and to the critical analysis of their ongoing evolution. Within the framework of the great Jesuit humanist tradition, the American Studies Department trains students in the skills of clear thinking, writing and speaking, as well as the abilities associated with interpreting literary texts, evaluating historical documents and artifacts, applying humanistic and social science methods and theoretical approaches, and reflecting morally about the problems and issues they address in the classroom. Current faculty strengths include: urban studies; race, gender and ethnicity in American history, culture and literature; African American history, transnationalism; religion; women's literature; space, region, and place; St. Louis history.

Undergraduate Offerings
+ Bachelor of Arts in American Studies
+ Minor in American Studies

Graduate Offerings
+ Master of Arts in American Studies
+ Doctor of Philosophy in American Studies

Faculty
Heidi Ardizzone, Ph.D.
Benjamin Looker, Ph.D.
Emily Lutenski, Ph.D.
Matthew Mancini, Ph.D. (Emeritus)
Katherine Moran, Ph.D.

Bachelor of Arts in American Studies

Program Highlights
American Studies uses film, food, fashion, buildings, sports, popular media, the environment, art, literature and historical texts in order to understand the diverse cultures of the United States and its place in the world in the past and present.

American Studies is interdisciplinary, using a variety of sources and methods (literature, social science, film, community institutions) to understand American history and cultures.

American Studies is global and diverse, paying close attention to international as well as regional relations as well as to the variety of racial, ethnic, religious and other social or cultural communities within and around its borders.

American Studies is practical, which means the everyday is taken as seriously as the esoteric, and the lessons learned in the classroom are applied to work in communities and public institutions.

As a result, an American Studies education trains students in critical thinking, complex problem solving, and clear written and oral communication. Graduates have experience working in diverse groups and applying their knowledge to the world around them. These are sought-after skills transferable to a variety of fields. Graduates have gone on to work in higher and secondary education, media and communications, nonprofit organizations, government, political organizing, social work, law, museums and other cultural institutions.

Curriculum Overview
A major in American Studies is 30 credits, including the introductory course, ASTD 1000: Investigating America (three credits), an experience component (a three-credit internship or service-learning course) and ASTD 4100: Senior Capstone (three credits). The remaining 21 credits are selected from American Studies courses. With the approval of the student's departmental advisor, up to nine of these credits can be taken in related fields.

Courses from other departments or programs will only count towards the American Studies major if they are not being counted toward another major or minor.

Fieldwork and Research Opportunities
In American Studies' successful internship program, internships are student-designed in close collaboration with the department's internship coordinator and participating organizations and institutions. Internships count as a three-credit course, requiring 50 hours per credit, or 10 hours per week. Past students have partnered with the Saint Louis Art Museum, Saint Louis Zoo, Missouri Botanical Garden, International Institute, Missouri History Museum, Circuit Court Records Project, City Museum and Pulitzer Foundation for the Arts, among other sites.

Careers
American Studies provides a broad education that prepares students for careers that emphasize creative thinking, strong writing, critical analysis, clear communication, skilled research and civic and community engagement.

The following list is just a small sample of jobs for American Studies graduates:
+ Curator
+ Editor
+ Exhibit designer
+ Foundation director
+ Grant writer
+ Journalist
+ Labor organizer
+ Lawyer
+ Librarian
+ Nonprofit management
+ Politician
+ Professor
+ Public policy analyst
+ Public relations
+ Social worker
+ Speech writer
+ Teacher

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required American Studies Courses (3 credits)
ASTD 1000 Investigating America 3

Experiential Learning (3 credits)
ASTD 4910 Internship 3

Or an American Studies course with a Service Learning designation.

Capstone Course (3 credits)
ASTD 4980 Senior Capstone 3

American Studies Elective Courses (21 credits)
American Studies coursework, or courses in other departments as approved by the student's faculty mentor, are required. At least 12 of these credits must be fulfilled by courses in the Department of American Studies. These courses should cohere around a thematic or disciplinary emphasis. Thematic emphases may be organized around such topics as American identities, visual culture, religion, the American metropolis, political thought, or social movements. The disciplinary emphasis is organized around a field, such as history, international studies, literature, sociology, political science, theology, studio arts, or women's studies.

TOTAL CREDITS: 30

Non-Course Requirements

Portfolio
Students majoring in American Studies build a portfolio that includes research papers, exams, essays, creative work, internship and service reports, notices of awards and citations, evaluations, and the capstone project. Students build the portfolio over the course of the major in close consultation with their faculty mentor.

Capstone Project
This required project enables students to put forth their best scholarly and creative work as a capstone to the major. Students spend one semester planning, developing, completing, and presenting a senior thesis project in close consultation with the Senior Seminar instructor.

Continuation Standards
Students who pursue a major in American Studies must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's major GPA drops below 2.00, the student will be placed on academic program probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the major.

MINOR IN AMERICAN STUDIES

Overview
The minor in American Studies is 18 credits, including the introductory course, ASTD 1000: Investigating America (three credits). The remaining 15 credits are selected from American Studies courses. With the approval of the student's departmental advisor, up to six of these credits can be taken in related fields.

Courses from other departments or programs will only count towards the American Studies major if they are not being counted toward another major or minor.

Program Requirements
Required Courses (3 credits)
ASTD 1000  Investigating America  3

American Studies Elective Courses (15 credits)
American Studies coursework, or courses in other departments as approved by the student's faculty mentor, are required.

TOTAL CREDITS: 18

Continuation Standards
Students who pursue a minor in American Studies must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's minor GPA drops below 2.00, the student will be placed on academic program probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the minor.

ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
The Accelerated Bachelor's/Master's Program (ABM) offers the opportunity for outstanding American Studies majors to begin an M.A. program in their senior year, completing the M.A. with a full time fifth year of graduate study after their successful completion of both the first year requirements and their undergraduate degree and major.

Program Requirements
The American Studies major, like most humanities majors, requires thirty credits of coursework, and the M.A. a further thirty. By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

Continuation Standards
Students who pursue a major in American Studies must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's minor GPA drops below 2.00, the student will be placed on academic program probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the minor.

MASTER OF ARTS IN AMERICAN STUDIES

Program Highlights
American Studies students have access to excellent library and computer facilities, the extensive audio and visual equipment of the Instructional Media Center, training and certification by the Reinert Center for Teaching Excellence, and grant and scholarship assistance from the Office of Research Services.

Graduate students also benefit from the rich archival and institutional resources available in St. Louis itself, including relationships with sites such as the Missouri Historical Society, the Jefferson National Expansion Memorial, the Circuit Court Records Project, the Pulitzer Foundation for the Arts, the Sheldon Galleries, the Contemporary Art Museum, the Saint Louis Art Museum, the Missouri Botanical Garden and the Historic Landmarks Association.

Curriculum Overview
The Master of Arts in American Studies requires 30 credits and has two options for completing the degree: portfolio and thesis. The portfolio option is primarily intended for students interested in pursuing additional degrees, such as a second professional master's or a doctorate. The thesis option is primarily intended for students interested in terminating their graduate work at the master's level.

Careers
Graduates have gone on to careers in libraries, museum administration and public humanities as well as educational administration, university teaching or study of the law.

Admission Requirements
Undergraduate degree or equivalent in a humanities or social science area; additional prerequisite work may be required at the discretion of the Department. Standardized test scores are considered as well as GPA and TOEFL (if applicable).

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Goal statement
+ Writing sample
+ Interview (strongly recommended)

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be to be considered for an assistantship must submit their application by early February.

American Studies Application Review Process
All applications are reviewed by the entire faculty.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.
For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9 credits)
ASTD 5000 Perspectives in American Studies 3
ASTD 5xxx Chosen from course listing below 3
ASTD 6xxx Chosen from course listing below 3

Elective Courses (15 credits)
ASTD 6100 American Photography 3
ASTD 6300 Cultures of the American South 3
ASTD 6400 Tocqueville’s America 3
ASTD 6500 Memoir and Life Writing in American Culture 3
ASTD 6700 Metropolitan America 3
ASTD 6800 Workshop in the American Metropolis 3
ASTD 6900 The Practice of American Studies 3
ASTD 6020 Cross-Cultural Encounters of the American Frontier 3
ASTD 5030 Women's Lives 3
ASTD 5010 African American Politics, Culture, and Identity 3
ASTD 6000 Mythbusting and Mythmaking in Recent American Studies Scholarship 3
ASTD 8200 Visual Culture Theory 3
ASTD 6300 Jazz and American Culture 3
ASTD 6400 Transnational America 3
ASTD 6500 Visions of US Empire 3
ASTD 6600 Topics in American Urbanism 3
ASTD 6700 From Satchmo to Strangelove 3
ASTD 6000 Edibles are Fun to Think With 3
ASTD 6900 Public Art and Memory 3
ASTD 6010 American Studies Interdisciplinary Seminar 3
ASTD 6020 American Political Thought 3
ASTD 6030 Leadership and Culture 3

Thesis Option (6 credits)
ASTD 5900 Thesis Research 6

Portfolio Option (6 credits)
Chosen from course listing above.

TOTAL CREDITS: 30

Non-Course Requirements

Qualifying Exam
At the end of the second semester of coursework, students will take a three-hour qualifying exam to demonstrate their growing knowledge of the field. The exam consists of essay questions provided by American Studies course instructors. Students must answer two of the questions: one covering material from ASTD 5000, and the other chosen from questions about materials covered classes taken during the first-year semester when ASTD 5000 was not offered.

Portfolio or Thesis
After successful completion of the qualifying exam, students will pursue one of two capstone tracks: a portfolio paper or a thesis.

A portfolio paper is a 20–30 page article or literature review, typically a revised and expanded seminar paper meant to demonstrate the student's extensive knowledge of their field. It is developed in conjunction with a two-person faculty committee (a chair and one additional reader) over the summer following the first year of the M.A. program and during the second year of the M.A. program.

A thesis is a more developed project with an original argument, typically 60–80 pages in length, based in extensive primary and secondary research. It is developed in conjunction with a three-person faculty committee (a chair and two additional readers) over the summer following the first year of the M.A. program and during the second year of the M.A. program.

Oral Examination
After the student's committee has approved the final version of the portfolio paper or thesis, there will be a one-hour oral examination before three faculty members. For the portfolio paper, these will be the two-person portfolio committee plus an additional faculty member, and the exam will be principally on the portfolio paper. For the thesis, this will be the three-person thesis committee, and the exam will be principally defense of the thesis.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

Doctor of Philosophy in American Studies

Program Highlights
American Studies is the study of American society and cultures in all their diversity. What sets this field apart from other academic disciplines is its interdisciplinary approach to analyzing the past and the present, combining the study of history, literature, art and visual culture, and the material world. The discipline is based on the idea that the culture around us — film, food, TV, buildings, fiction and the landscape — is as essential for understanding the world as written historical texts.

The American Studies curriculum has the flexibility for students to pursue their own focused interests, and to connect their work with scholarly communities and public institutions. The American Studies department maintains a strong commitment to the sound, ethical and broad professional development of every student.

American Studies students have access to excellent library and computer facilities, the extensive audio and visual equipment of the Instructional Media Center, training and certification by the Reinert Center for Teaching Excellence, and grant and scholarship assistance from the Office of Research Services.

Curriculum Overview
The Doctor of Philosophy is the terminal research degree in American Studies. A total of 54 credits of coursework beyond the B.A. degree, plus 12 credits of dissertation writing, is required. Students with M.A. degrees may be able to count up to 18 credits of their previous relevant coursework.

Fieldwork and Research Opportunities
Graduate students benefit from the rich archival and institutional resources available in St. Louis itself, including relationships with sites such as the Missouri Historical Society, the Jefferson National Expansion Memorial, the Circuit Court Records Project, the
Pulitzer Foundation for the Arts, the Sheldon Galleries, the Contemporary Art Museum, the Saint Louis Art Museum, the Missouri Botanical Garden and the Historic Landmarks Association.

Careers
Graduates have gone on to careers in libraries, museum administration and public humanities as well as educational administration, university teaching or study of the law.

Admission Requirements
Undergraduate degree or equivalent in a humanities or social science area; additional prerequisite work may be required at the discretion of the Department. Relevant M.A.s may transfer some credits, but all Ph.D. students will receive an M.A. as well.

Standardized test scores are considered as well as GPA and TOEFL (if applicable).

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Goal statement
+ Writing sample
+ Interview (strongly recommended)

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be to be considered for an assistantship must submit their application by early February.

American Studies Application Review Process
All applications are reviewed by the entire faculty.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (24 credits)
ASTD 5000 Perspectives in American Studies; 3
ASTD 5900 The Practice of American Studies; and 3
ASTD 6100 Dissertation Colloquium 3
ASTD 6xxx Chosen from course listing below 6
ASTD 6xxx Chosen from course listing below 6
4000-level course in foreign language translation, literature or translation examination 3

Elective Courses (30 credits)
ASTD 5100 American Photography 3
ASTD 5200 Cultures of the American South 3
ASTD 5400 Tecumseh's America 3
ASTD 5500 Memoir and Life Writing in American Culture 3
ASTD 5700 Metropolitan America 3
ASTD 5800 Workshop in the American Metropolis 3
ASTD 5900 The Practice of American Studies 3
ASTD 6020 Cross-Cultural Encounters of the American Frontier 3
ASTD 5030 Women's Lives 3
ASTD 5010 African American Politics, Culture, and Identity 3
ASTD 6000 Mythbusting and Mythmaking in Recent American Studies Scholarship 3
ASTD 6200 Visual Culture Theory 3
ASTD 6300 Jazz and American Culture 3
ASTD 6400 Transnational America 3
ASTD 6500 Visions of US Empire 3
ASTD 6600 Topics in American Urbanism 3
ASTD 6700 From Satchmo to Strangelove 3
ASTD 6800 Edibles are Fun to Think With 3
ASTD 6900 Public Art and Memory 3
ASTD 6010 American Studies Interdisciplinary Seminar 3
ASTD 6020 American Political Thought 3
ASTD 6030 Leadership and Culture 3

Dissertation Research (12 credits)
ASTD 6900 Dissertation Research 12

TOTAL CREDITS: 66

Non-Course Requirements

Qualifying Exam
At the end of the second semester of coursework, students will take a three-hour qualifying exam to demonstrate the growing knowledge of the field. The exam consists of essay questions provided by American Studies course instructors. Students must answer two of the questions: one covering material from ASTD 5000, and the other chosen from questions about materials covered classes taken during the first-year semester when ASTD 5000 was not offered.

Written Exam
After completing the qualifying exam, students will create a three-person committee (one chair and two additional faculty readers). Working closely with the committee members, students will develop two papers: one literature review and one portfolio paper.

Literature Review
The literature review is based on extensive reading in three subject areas. The portfolio paper is generally a revised and expanded version of a seminar paper, written as a publishable article. Both should be connected to the area of future dissertation research, and demonstrate extensive knowledge in the student's fields.

Oral Exam
After the three-person committee has accepted final drafts of the written exam, students will schedule a 90-minute oral exam. In general, full-time students aim to take their oral exams at the end of their third year. Funded students must complete the comprehensive exam within one calendar year of completing coursework.

Continuation Standards...
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
BIOINFORMATICS AND COMPUTATIONAL BIOLOGY
www.slu.edu/arts-and-sciences/bioinformatics-computational-biology

LEADERSHIP
Maureen J. Donlin, Ph.D.
Graduate Program Director

OVERVIEW
The use of computational techniques and information systems has revolutionized research in the biological sciences—from the analysis of DNA sequences and the understanding of gene expression and regulation, to the structural modeling of proteins and RNAs and the evolutionary relationship between species. The fields of bioinformatics and computational biology have become an important academic discipline for such breakthroughs and a critical part of success for firms in the biotechnology sector.

The bioinformatics and computational biology program brings together expertise from across Saint Louis University in biology, chemistry, computer science, mathematics and statistics, biochemistry and molecular biology.

The program offers three degree paths:
+ Accelerated Bachelor's to Master of Science in Bioinformatics and Computational Biology
+ Master of Science in Bioinformatics and Computational Biology
+ Master of Science Pathway for International Students

Faculty
Tae-Hyuk (Ted) Ahn, Ph.D
Gerardo Camilo, Ph.D.
Erin Chambers, Ph.D.
Maureen Donlin, Ph.D.
Brian Downes, Ph.D.
Michael Goldwasser, Ph.D.
Haijung Gong, Ph.D.
Jack Kennell, Ph.D.
DavidLetscher, Ph.D.
Zhenguo Lin, Ph.D.
Dapeng Zhang, Ph.D.
Brent Znosko, Ph.D.

ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
Undergraduates can complete an undergraduate degree in biology, biochemistry, computer science or mathematics with the Master of Science in Bioinformatics and Computational Biology in a compressed timeframe.

Significant advantages to this program include:
+ No need to take the GRE, as students will apply to the accelerated program in the spring of their junior year
+ Double counting up to six credits of coursework simultaneously toward undergraduate and graduate degree requirements
+ Beginning some of the graduate coursework during the final undergraduate year

Program Requirements
By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

MASTER OF SCIENCE IN BIOINFORMATICS & COMPUTATIONAL BIOLOGY

Program Highlights
The Master of Science in bioinformatics and computational biology degree is a new interdisciplinary program that combines the expertise of Saint Louis University's departments of biology, chemistry, computer science, and mathematics and statistics.

As a student in the bioinformatics and computational biology program, students will be required to complete either a research experience with faculty or an internship with a biotech firm in the St. Louis area, which is home to one of the largest concentrations of biotech companies in the country.

This requirement gives students the opportunity for hands-on experience working with academic researchers or private industry. Industry partners are:
+ Appistry
+ BioSTL
+ Cofactor Genomics
+ Confluence Discovery Technologies
+ Donald Danforth Plant Sciences Center
+ Mallinckrodt Pharmaceuticals
+ Monsanto
+ MoGene
+ Sigma-Aldrich

Curriculum Overview
The 30-credit bioinformatics and computational biology program is designed for students with academic backgrounds in the life sciences, mathematics, computer science, health sciences, and statistics. The curriculum consists of a mix of required courses that build a strong foundation in bioinformatics and computational biology and elective classes that allow students to specialize their expertise. Students will be expected to complete the program in one-and-a-half to two years.

Fieldwork and Research Opportunities
All students are required to complete an internship with a local company, a faculty member or a member of an external research organization. The internship should
be a minimum of 10 weeks of full-time work.

**Careers**
There are many employment opportunities for this program’s graduates in the biotechnology, pharmaceutical, health care and software industries, as well as in academic, private and governmental research labs. St. Louis is home to many large and small biotech firms and is a national leader in biotech startups. St. Louis has medical schools at Saint Louis University and Washington University and is home to the Donald Danforth Plant Sciences center, a world leader in plant and life sciences.

**Admission Requirements**
A bachelor’s degree in biology, biochemistry, computer science, mathematics, statistics or a closely related field is required. Ideally prepared students will have completed the following coursework in biology, chemistry, molecular biology, computer science and statistics:

+ Principles of Biology I and II (Equivalent to BIOL 1240/1245/1260/1265)
+ General Chemistry I and II (Equivalent to CHEM 1110/1115/1120/1125)
+ Molecular and Cell Biology (Equivalent to BIOL 3020 or 3040)
+ Genetics (Equivalent to BIOL 3030)
+ Introduction to Programming (Equivalent to CSCI 1300)
+ Data Structures (Equivalent to CSCI 2100)
+ Calculus I and II (Equivalent to MATH 1510/1520)
+ Discrete Mathematics (Equivalent to MATH 1860)
+ Introduction to Statistics (Equivalent to MATH 1300, 3850 or 4860)
+ Students can complete these prerequisites as part of the program but not for graduate credit.

**Application Requirements**
+ Application form and fee
+ Three letters of recommendation
+ Résumé
+ Goal statement
+ GRE scores
+ TOEFL/IELTS scores (international students only)

**Requirements for International Students**
+ TOEFL/IELTS scores are required.
+ INTO Saint Louis University offers the Pathway Program for international students who are interested in this course but not meet the direct entry requirements. Visit intostudy.com/slu/programs for more information.

**Assistantship Application Deadline**
Students who want to be considered for an assistantship must submit their application by Feb. 1.

The final application deadline is March 1.

**Review Process**
Applications will be reviewed once they are complete. A panel of three faculty members will review each application and decide on acceptance and potential assistantships. Applicants who are U.S. citizens will need to fill out a FAFSA to be eligible for support from the National Science Foundation.

**Scholarships and Financial Aid**
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

<table>
<thead>
<tr>
<th>Required Courses (12 credits)</th>
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<tbody>
<tr>
<td>BCB 5200 Introduction to Bioinformatics I</td>
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<tr>
<td>BCB 5250 Introduction to Bioinformatics II</td>
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<tr>
<td>BCB 5300 Algorithms in Computational Biology</td>
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<td>BCB 5810 Bioinformatics Colloquium</td>
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<tr>
<td>BIOL 6030 Genomics</td>
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<tr>
<th>Biology Elective (3 credits)</th>
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<tbody>
<tr>
<td>BIOL 5000 Biometry</td>
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<tr>
<td>BIOL 5100 Cellular and Molecular Genetics</td>
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<td>BIOL 5700 Advanced Molecular Biology</td>
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<tr>
<td>BIOL 5780 Molecular Phylogenetic Analysis</td>
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<tr>
<th>Computer Science (3-9 credits)</th>
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<tbody>
<tr>
<td>CSCI 5710 Databases</td>
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<tr>
<td>CSCI 5750 Machine Learning</td>
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<tr>
<td>CSCI 5850 High-Performance Computing</td>
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<tr>
<th>Internship/Research Experience (3 credits)</th>
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<tbody>
<tr>
<td>BCB 5910 Internship in Bioinformatics</td>
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<tr>
<td>BIOL 4911 Integrated Bioinformatics Internship</td>
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<tr>
<td>BCB 5870 Research Topics</td>
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<td>BIOL 5870 Research Topics</td>
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<td>CHEM 5970 Research Topics</td>
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<td>CSCI 5970 Research Topics</td>
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<td>IAS 6970 Research Topics</td>
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<tr>
<th>Bioinformatics &amp; Computational Biology (to reach 30 credits)</th>
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<tbody>
<tr>
<td>BCB 5100 Advanced Scripting for Life Sciences</td>
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<tr>
<td>BCB 5930 Topics in Bioinformatics</td>
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<td>BIOL 5050 Molecular Technique Lab</td>
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<td>BIOL 5070 Advanced Biological Chemistry</td>
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<tr>
<td>BIOL 5170 Introduction to GIS</td>
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<tr>
<td>BIOL 5180 Intermediate GIS</td>
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<tr>
<td>BIOL 5190 GIS in Biology</td>
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<tr>
<td>CSCI 5150 Computational Geometry</td>
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<tr>
<td>CSCI 5830 Image Processing</td>
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<tr>
<td>CSCI 5930 Topics in Computer Science</td>
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<tr>
<td>MATH 4850 Mathematical Statistics</td>
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<tr>
<td>CHEM 4810/4815 Biochemistry I + Lab</td>
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<tr>
<td>CHEM 4820/4825 Biochemistry II + Lab</td>
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</table>

**Continuation Standards**
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
The Department of Biology at Saint Louis University explores the dynamic science with the aim of gaining a better understanding of the processes of living organisms.

Biologists search for answers to current problems and ways to avoid future dilemmas. Specialized fields of biology, such as botany, zoology and molecular biology have made key contributions to the health and welfare of the world's population. Students have the opportunity to study biology beyond the limits of the classroom.

The Department of Biology owns and operates the Reis Biological Field Station for research and teaching, providing unique opportunities for students to explore ecology and conservation biology. Students find additional opportunities for research and hands-on experimentation at locations throughout St. Louis, including the Saint Louis Zoo and the Missouri Botanical Garden.

Undergraduate Offerings
+ Bachelor of Arts in Biology
+ Bachelor of Science in Biology
+ Minor in Biology

Graduate Offerings
+ Master of Arts in Biology
+ Master of Science in Biology
+ Doctor of Philosophy in Biology

Faculty

Full-time Faculty
Janet C. Barber, Ph.D
Peter B. Bornhardt, Ph.D
Elena Bray Speth, Ph.D
Gerardo R. Camilo, Ph.D
Lindzy F. Dodson, Ph.D.
Brian P. Downes, Ph.D
Jonathan S. Fisher, Ph.D
Kasey D. Fowler-Finn, Ph.D.
Eva B. Gonzales, Ph.D
Blythe E. Janowiak, Ph.D
Jason Knouft, Ph.D
Zhenguo Lin, Ph.D.
Allison J. Miller, Ph.D
Judith M. Ogilvie, Ph.D
Laurie L. Shornick, Ph.D
Susan A. Spencer, Ph.D
William S. Stark, Ph.D
Julie M. Thole, Ph.D
Thomas J. Valone, Ph.D
Yuqi Wang, Ph.D
Daniel E. Warren, Ph.D
Robert M. Wood, Ph.D.
Wenyang Xiao, Ph.D
Dapeng Zhang, Ph.D.
Fenglian Zu, Ph.D.

Laboratory Staff
Timothy E. Dooley, MA, D.O.
Elizabeth E. Bardon, MS
Paul C. Lega, BA

Affiliated Faculty

Missouri Botanical Garden
Thomas B. Croat, Ph.D
Peter Goldbatt, Ph.D
Peter Raven, Ph.D
Mick Richardson, Ph.D

St. Louis Zoological Park
Cheryl S. Asa, Ph.D
Joan E. Bauman, Ph.D
Sigma-Aldrich Corp.
Kevin Kayser, Ph.D

Department of Biochemistry and Molecular Biology
Dorota Skowyra, Ph.D

Department of Obstetrics, Gynecology, and Women's Health
Gerald S. Zavorsky, Ph.D

United States Department of Agriculture, ARS
Yong-Quiang Charles An, Ph.D.

Bachelor of Arts in Biology

Program Highlights

Biology is a dynamic science aimed at gaining a better understanding of living organisms and the ways they interact with the environment. Biological research seeks to answer a broad range of questions, from factors that affect human health to ecological issues.

The biology program offers courses that emphasize concepts over facts and aim to provide a foundation for careers in the life sciences, health professions, K-12 education and advanced postgraduate study in a broad variety of disciplines. There are five B.S. degree concentrations that allow students to focus on specific disciplinary areas. The B.A. degree provides maximum flexibility in selecting upper division courses and is favored by students seeking to have double majors.

The program is enriched by interactions with the School of Medicine, the Missouri Botanical Garden, the Donald Danforth Plant Science Center and the Saint Louis Zoo as well as a growing number of St. Louis-based life science companies. Research experiences and internships provide students with opportunities to study
Recent biology majors have been awarded grants from industry. The department of biology has a field station that provides unique opportunities for students to explore ecology, conservation, and environmental science in an Ozark forest ecosystem. The field station offers students opportunities to take a summer class, conduct undergraduate research and participate in a semester-long program of field biology coursework.

Students are encouraged to participate in co-curricular activities. Groups such as Beta Beta Beta (the biology honor society) and Alpha Epsilon Delta (the pre-professional honor society) are social and academic organizations that further students' interest in biology while exposing them to its relationship with other scientific disciplines.

Curriculum Overview
The undergraduate curriculum in the Department of Biology is diverse and will meet a variety of interests in the rapidly expanding fields of the biological sciences. It is also designed to provide an intensive educational experience for students in other disciplines who have an interest in biology. In addition to courses offered in Macelwane Hall, the department offers courses at the University's Reis Biological Station located by the Huzzah Creek in the Ozarks.

The Bachelor of Arts degree in biology provides flexibility in selecting upper-level courses and is favored by students interested in double majors.

Fieldwork and Research Opportunities
Benefits of the biology program include several internship and career opportunities. Advanced undergraduate students with good academic records are encouraged to apply for positions as teaching and/or learning assistants. In addition to a stipend, students gain teaching experience and the opportunity to help others become interested in the field of biology.

Biology majors can enroll in courses that provide credit for structured internships through collaborations with a variety of local organizations including the Missouri Botanical Garden, Saint Louis Zoo, Sigma Aldrich, Monsanto and firms in the growing biotechnology field.

Careers
The biology major develops strong critical thinking and problem solving skills that provide an excellent preparation for professional schools, such as:

+ Medical school
+ Veterinary science
+ Dental school
+ Optometry school
+ Graduate school in a broad range of disciplines

The skills biology majors gain also open the door to a wide variety of career options in areas such as health care, biotechnology, environmental management, conservation, education and the pharmaceutical industry.

Recent biology majors have been awarded grants from Sigma Xi and the NSF as well as prestigious fellowships from the National Science Foundation (NSF), Fulbright Scholar Program, Mayo Clinic, Smithsonian Institution, NeuroSURF and the American Society for Microbiology.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

<table>
<thead>
<tr>
<th>Required Introductory Courses (32 credits)</th>
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<tbody>
<tr>
<td>BIOL 1240 Principles of Biology I</td>
<td>3</td>
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<tr>
<td>BIOL 1241 Principles of Biology I Lab</td>
<td></td>
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<tr>
<td>BIOL 1245 Principles of Biology II</td>
<td>3</td>
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<td>BIOL 1246 Principles of Biology II Lab</td>
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<tr>
<td>BIOL 1265 Principles of Biology II Lab</td>
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<tr>
<td>BIOL 3010 Evolutionary Biology</td>
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<tr>
<td>BIOL 3020 Biochemistry and Molecular Biology</td>
<td>3</td>
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<tr>
<td>BIOL 3030 Principles of Genetics</td>
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<tr>
<td>BIOL 3040 Cell Structure and Function</td>
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</table>

Funds are available through the Office of Financial Aid and the Office of Student Financial Services.
At least one plant science course and a structured laboratory course.

### Cellular, Molecular & Developmental Biology

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 3060</td>
<td>Cell Structure and Function Laboratory</td>
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<tr>
<td>BIOL 3100</td>
<td>Experiments in Genetics Laboratory</td>
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<tr>
<td>BIOL 3420</td>
<td>Comparative Anatomy (EV, CB&amp;PP)</td>
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</tr>
<tr>
<td>BIOL 3470</td>
<td>General Physiology Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 3480</td>
<td>Exercise Physiology (CB&amp;PP)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 3490</td>
<td>Plant Physiology (CB&amp;PP)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4030</td>
<td>Introduction to Genomics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4050</td>
<td>Molecular Techniques Laboratory (T)</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4070</td>
<td>Advanced Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4080</td>
<td>Advanced Cell Biology</td>
<td>3</td>
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<tr>
<td>BIOL 4150</td>
<td>Nerve Cell Mech. in Behavior (CB&amp;PP)</td>
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<tr>
<td>BIOL 4160</td>
<td>Microbial Ecology (T)</td>
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<tr>
<td>BIOL 4410</td>
<td>Comp. Animal Physiol. (EV, O, CB&amp;PP)</td>
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<td>BIOL 4440</td>
<td>Vertebrate Histology (CB&amp;PP)</td>
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<td>BIOL 4500</td>
<td>Introductory Endocrinology (CB&amp;PP)</td>
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<tr>
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<td>Behavioral Endocrinology (CB&amp;PP)</td>
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### Ecology, Evolutionary and Organismal Biology

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<tr>
<td>BIOL 4780</td>
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</tbody>
</table>

*Courses that satisfy the plant requirement are in italics

### Independent Research

A total of 4 credits of Independent Research (BIOL 4960, Library Project (BIOL 4970), and/or Advanced Independent Research (BIOL 4980) can be counted toward the B.A. degree. These courses do not count as structured lab courses nor can they satisfy elective requirements.

### Non-Course Requirements

All Biology majors are required to participate in first and second year mentoring sessions and meet with their mentor when in residence.

### Continuation Standards

Students must have a minimum of a 2.0 GPA in their major courses (BIOL) and required related credits (Chemistry, Mathematics & Statistics, Physics etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses (BIOL) and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

### Bachelor of Science in Biology

#### Program Highlights

Biology is a dynamic science aimed at gaining a better understanding of living organisms and the ways they interact with the environment. Biological research seeks to answer a broad range of questions, from factors that affect human health to ecological issues.

The biology program offers courses that emphasize concepts over facts and aim to provide a foundation for careers in the life sciences, health professions, K-12 education and advanced post-graduate study in a broad variety of disciplines. There are five B.S. degree concentrations that allow students to focus on specific disciplinary areas. The B.A. degree provides maximum flexibility in selecting upper division courses and is favored by students seeking to have double majors.

The program is enriched by interactions with the School of Medicine, the Missouri Botanical Garden, the Donald Danforth Plant Science Center and the Saint Louis Zoo as well as a growing number of St. Louis-based life science companies. Research experiences and internships provide students with opportunities to study biology beyond the classroom.

The department of biology has a field station that provides unique opportunities for students to explore ecology, conservation, and environmental science in an Ozark forest ecosystem. The field station offers students opportunities to take a summer class, conduct undergraduate research and participate in a semester-long program of field biology coursework.

Students are encouraged to participate in co-curricular activities. Groups such as Beta Beta Beta (the biology honorary society) and Alpha Epsilon Delta (the pre-
professional honor society) are social and academic organizations that further students' interest in biology while exposing them to its relationship with other scientific disciplines.

Curriculum Overview
The undergraduate curriculum in the Department of Biology is diverse and will meet a variety of interests in the rapidly expanding fields of the biological sciences. It is also designed to provide an intensive educational experience for students in other disciplines who have an interest in biology. In addition to courses offered in Macelwane Hall, the department offers courses at the University's Reis Biological Station located by the Huzzah Creek in the Ozarks.

B.S. students may choose one of five concentrations:

Biological Science
This concentration provides students with a strong foundation in biology and prepares students for entry-level employment in the life sciences, health professions, K-12 education and graduate school.

Biological Chemistry and Molecular Biology
This concentration focuses on the latest advances in biochemistry, genomics, molecular and cell biology. It is designed for students interested in careers involving biomedical research or biotechnology.

Cell Biology and Physiology
This concentration provides students with a strong foundation in the structure and function of organ systems and the tissues that comprise them. It is a good choice for students planning careers in medicine, pharmacology or health care.

Ecology, Evolution and Conservation
This concentration is designed for students interested in various aspects of organismal biology. It is a good choice for students preparing for graduate study or planning for a career as a research biologist or wildlife specialist.

Plant Science
This concentration is designed for students interested in various aspects of plant biology and prepares students for careers in agricultural industries, botanical research institutes or advanced training in graduate degree programs.

Fieldwork and Research Opportunities
Benefits of the biology program include several internship and career opportunities. Advanced undergraduate students with good academic records are encouraged to apply for positions as teaching and/or learning assistants. In addition to a stipend, students gain teaching experience and the opportunity to help others become interested in the field of biology.

Biology majors can enroll in courses that provide credit for structured internships through collaborations with a variety of local organizations including the Missouri Botanical Garden, Saint Louis Zoo, Sigma Aldrich, Monsanto and firms in the growing biotechnology field.

Careers
The biology major develops strong critical thinking and problem solving skills that provide an excellent preparation for professional schools, such as:

+ Medical school
+ Veterinary science
+ Dental school
+ Optometry school
+ Graduate school in a broad range of disciplines

The skills biology majors gain also open the door to a wide variety of career options in areas such as healthcare, biotechnology, environmental management, conservation, education and the pharmaceutical industry.

Recent biology majors have been awarded grants from Sigma Xi and the NSF as well as prestigious fellowships from the National Science Foundation (NSF), Fulbright Scholar Program, Mayo Clinic, Smithsonian Institution, NeuroSURF and the American Society for Microbiology.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.
For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Introductory Courses (32 credits)

- BIOL 1240 Principles of Biology I 3
- BIOL 1245 Principles of Biology I Lab 1
- BIOL 1260 Principles of Biology II 3
- BIOL 1265 Principles of Biology II Lab 1
- BIOL 3010 Evolutionary Biology 3
- BIOL 3025 Biochemistry and Molecular Biology 3
- BIOL 3030 Principles of Genetics 3
- CHEM 1110 Introduction to Chemistry 1 3
- CHEM 1115 Introduction to Chemistry 1 Lab 1
- CHEM 1120 Introduction to Chemistry 2 3
- CHEM 1125 Introduction to Chemistry 2 Lab 1
- MATH 1610 Calculus I 4

Statistics Course (3-4 credits)

- MATH 1300 Elementary Statistics with Computers 3
- OR BIOL 4780 Biometry 4
- BIOL 3040 Cell Structure and Function 3

Additional Science Lab Courses (16 credits)

- CHEM 2410/2415 Prin. of Organic Chemistry 1 + Lab 4
- CHEM 2420/2425 Prin. of Organic Chemistry 2 + Lab 4
- PHYS 1310/1320 Physics I + Lab 4
- PHYS 1330/1340 Physics II + Lab 4
- EAS 1010/1020 Earth's Dynamic Environment I + Lab 4
- EAS 1030/1040 Earth's Dynamic Environment II + Lab 4

Laboratory Requirement

All B.S. students must either;

1. Complete at least three structured laboratory experiences with at least one from the Cellular, Molecular & Developmental Biology category and one from the Ecology, Evolutionary and Organismal Biology category of courses (see below).

   OR

2. Complete four structured laboratory experiences without regard to category type.

In addition, B.S. students must complete at least one plant science course and one of several Senior Inquiry options. All Biology majors are required to participate in first and second year mentoring sessions and meet with their mentor when in residence.

Independent Research

A total of 4 credits of Independent Research (BIOL 4980), Library Project (BIOL 4970), and/or Advanced Independent Research (BIOL 4980) can be counted toward the B.A. degree. These courses do not count as structured lab courses nor can they satisfy elective requirements.

Reduced College Core Requirements

Students pursuing a B.S. degree are eligible to reduce the number of credits in Philosophy (from 9 to 6), Theology (from 9 to 6), English Literature (from 8 to 3), and Language (from 9 to 6). Note: Students that drop out of the B.S. degree program and seek a B.A. must fulfill the standard set of college core requirements.

Biological Chemistry and Molecular Biology Concentration

Required Upper-Division Biology Course (3 credits)

- BIOL 3040 Cell Structure and Function 3

Biological Chemistry Elective Courses (6 credits)

- BIOL 4030 Introduction to Genomics 3
- BIOL 4070 Adv. Biochemistry 3
- BIOL 4700 Molecular Biology 3

Molecular Biology Elective Courses (6 credits)

- BIOL 3080 Cell Structure & Function Lab 1
- BIOL 3100 Experiments in Genetics 1 Lab 1
- BIOL 4090 Molecular Techniques Lab 2
- BIOL 4110 Microbial Ecology 4
- BIOL 4650 Microbiology Lab 2

Ecology, Evolutionary and Organismal Biology Elective with Lab (4-5 credits)

- BIOL 3220 Biology of Invertebrates 3
- BIOL 3260 Biology of Plants & Fungi 4
- BIOL 3280 Ethnobotany 3
- BIOL 3450 Economic Botany 3
- BIOL 4010 Sex, Evolution and Behavior 3
- BIOL 4040 Pollination Biology 3
- BIOL 4090 Plant Ecology 3
- BIOL 4110 Natural History of Vertebrates 4
- BIOL 4120 Field Botany 5
- BIOL 4130 Field Mammalogy 5
- BIOL 4140 Field Ornithology 4
- BIOL 4180 Microbial Ecology 4
- BIOL 4170 Intro to GIS 3
- BIOL 4180 Intermediate GIS 3
- BIOL 4180 GIS in Biology 3
- BIOL 4200 Aquatic Ecology 4
- BIOL 4210 Biology and Classification of Orchids 3
- BIOL 4260 Biology of Amphibians and Reptiles 4
- BIOL 4280 Biology of Fishes 4
- BIOL 4310 Biology of Birds 4
- BIOL 4320 Cave Biology 4
- BIOL 4330 Spring Flora of the Ozarks 4
- BIOL 4340 Systematic Biology 3
- BIOL 4350 Biology of Parasitic Organisms 3
- BIOL 4360 Animal Behavior 3
- BIOL 4370 Animal Behavior Laboratory 1
- BIOL 4380 Biology of Mammals 4
- BIOL 4390 Systematic Biology Laboratory 1
- BIOL 4460 Conservation Biology 3
- BIOL 4580 Applied Population Genetics 3
- BIOL 4670 Population Biology 3
- BIOL 4750 General Ecology 4
- BIOL 4770 Coevolution 1
- BIOL 4780 Molecular Phylogenetic Analysis 4

Plant Course (3-4 credits)

- BIOL 3280 Biology of Plants & Fungi 4
- BIOL 3280 Ethnobotany 4
- BIOL 3450 Economic Botany 3
- BIOL 4040 Pollination Biology 3
- BIOL 4090 Plant Ecology 3
- BIOL 4210 Biology and Classification of Orchids 3
- BIOL 4330 Spring Flora of the Ozarks 4

Senior Inquiry (3 credits)

- BIOL 4910 Internship in Conservation 3
- BIOL 4911 Integrative Bioinformatics Internship 3
- BIOL 4912 Internship in Plant Science 3
- BIOL 4970 Library Project 3
- BIOL 4980 Advanced Independent Research 3
- BIOL 5000-level course 3
### Biology Elective Courses (up to 35 credits)

#### Biological Sciences Concentration

**Required Upper-Division Biology Courses**

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**Elective with Lab (6-10 credits)**

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**Cell Biology & Physiology Concentration**

**Required Upper-Division Biology Courses**

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**Cell Biology Course (1 course)**

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**Physiology Course (1 course)**

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**Ecology, Evolutionary and Organismal Biology Elective with Lab (4-5 credits)**

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<td>BIOL 4380</td>
<td>Biology of Mammals</td>
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</tr>
<tr>
<td>BIOL 4390</td>
<td>Systematic Biology Laboratory</td>
<td>1</td>
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<tr>
<td>BIOL 4400</td>
<td>Conservation Biology</td>
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</tr>
<tr>
<td>BIOL 4480</td>
<td>Applied Population Genetics</td>
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<tr>
<td>BIOL 4670</td>
<td>Population Biology</td>
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<tr>
<td>BIOL 4750</td>
<td>General Ecology</td>
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<tr>
<td>BIOL 4770</td>
<td>Coevolution</td>
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<tr>
<td>BIOL 4780</td>
<td>Molecular Phylogenetic Analysis</td>
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**Plant Course (3-4 credits)**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 3260</td>
<td>Biology of Plants &amp; Fungi</td>
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<tr>
<td>BIOL 3260</td>
<td>Ethnobotany</td>
<td>3</td>
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<tr>
<td>BIOL 3460</td>
<td>Economic Botany</td>
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<tr>
<td>BIOL 4040</td>
<td>Pollination Biology</td>
<td>3</td>
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<tr>
<td>BIOL 4090</td>
<td>Plant Ecology</td>
<td>3</td>
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<tr>
<td>BIOL 4210</td>
<td>Biology and Classification of Orchids</td>
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<tr>
<td>BIOL 4330</td>
<td>Spring Flora of the Ozarks</td>
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**Senior Inquiry (3 credits)**

<table>
<thead>
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<tbody>
<tr>
<td>BIOL 4910</td>
<td>Internship in Conservation</td>
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<tr>
<td>BIOL 4911</td>
<td>Integrative Bioinformatics Internship</td>
<td>3</td>
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<tr>
<td>BIOL 4912</td>
<td>Internship in Plant Science</td>
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<tr>
<td>BIOL 4970</td>
<td>Library Project</td>
<td>3</td>
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<td>BIOL 4980</td>
<td>Advanced Independent Research</td>
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<tr>
<td>BIOL 5000</td>
<td>5000-level course</td>
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**Biology Elective Courses (up to 35 credits)**

**Cell Biology & Physiology Elective (6-8 credits)**

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<thead>
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<tbody>
<tr>
<td>BIOL 3420</td>
<td>Comparative Anatomy</td>
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<td>Exercise Physiology</td>
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<td>BIOL 3490</td>
<td>Plant Physiology</td>
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<tr>
<td>BIOL 4080</td>
<td>Advanced Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4150</td>
<td>Nerve Cell Mech. in Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4410</td>
<td>Comp. Animal Physiology</td>
<td>3</td>
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<tr>
<td>BIOL 4440</td>
<td>Vertebrate Histology</td>
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<tr>
<td>BIOL 4500</td>
<td>Introductory Endocrinology</td>
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<tr>
<td>BIOL 4510</td>
<td>Behavioral Endocrinology</td>
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</tr>
<tr>
<td>BIOL 4600</td>
<td>Developmental Biology</td>
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**Required Upper-Division Biology Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>BIOL 3040</td>
<td>Cell Structure and Function</td>
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</tr>
<tr>
<td>BIOL 3080</td>
<td>Cell Structure &amp; Function Lab</td>
<td>1</td>
</tr>
<tr>
<td>BIOL 4050</td>
<td>Molecular Techniques Lab</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 4630</td>
<td>Microbiology Lab</td>
<td>2</td>
</tr>
</tbody>
</table>
BIOL 4830  Immunochemistry  3
BIOL 4850  Microbiology  3
BIOL 4720  Cancer Biology  3

Plant Course (3-4 credits)
BIOL 3260  Biology of Plants & Fungi  4
BIOL 3450  Economic Botany  3
BIOL 4040  Pollination Biology  3
BIOL 4090  Plant Ecology  3
BIOL 4210  Biology and Classification of Orchids  3
BIOL 4330  Spring Flora of the Ozarks  4

Senior Inquiry (3 credits)
BIOL 4910  Internship in Conservation  3
BIOL 4911  Integrative Bioinformatics Internship  3
BIOL 4912  Internship in Plant Science  3
BIOL 4970  Library Project  3
BIOL 4980  Advanced Independent Research  3

Biology Elective Courses (up to 35 credits)

Ecology, Evolution & Conservation Concentration

Required Upper-Division Biology Courses
BIOL 4750  General Ecology  4

Cellular, Molecular & Developmental Biology Elective with Lab (4-5 credits)
BIOL 3060  Cell Structure and Function Laboratory  1
BIOL 3100  Experiments in Genetics Laboratory  1
BIOL 3420  Comparative Anatomy  5
BIOL 3470  General Physiology Laboratory  2
BIOL 3480  Exercise Physiology  3
BIOL 3490  Exercise Physiology  3
BIOL 4030  Introduction to Genomics  3
BIOL 4050  Molecular Techniques Laboratory  2
BIOL 4070  Advanced Biochemistry  3
BIOL 4080  Advanced Cell Biology  3
BIOL 4150  Nerve Cell Mech. in Behavior  4
BIOL 4180  Microbial Ecology  3
BIOL 4410  Comp. Animal Physiology  2
BIOL 4440  Vertebrate Histology  3
BIOL 4500  Introductory Endocrinology  3
BIOL 4520  Behavioral Endocrinology  3
BIOL 4540  Human Systemic Physiology  3
BIOL 4800  Developmental Biology  2
BIOL 4810  Developmental Biology Lab  2
BIOL 4830  Immunobiology  3
BIOL 4850  Microbiology  3
BIOL 4870  Microbiology Laboratory  2
BIOL 4700  Molecular Biology  3
BIOL 4720  Cancer Biology  3

Ecology, Evolutionary and Organismal Biology Elective with Lab (4-5 credits)
BIOL 3220  Biology of Invertebrates  3
BIOL 3260  Biology of Plants & Fungi  4
BIOL 3450  Economic Botany  3
BIOL 4010  Sex, Evolution and Behavior  3
BIOL 4040  Pollination Biology  3
BIOL 4090  Plant Ecology  3
BIOL 4100  Natural History of Vertebrates  4
BIOL 4120  Field Botany  3
BIOL 4130  Field Mammalogy  3
BIOL 4140  Field Ornithology  5
BIOL 4180  Microbial Ecology  3
BIOL 4170  Intro to GIS  3
BIOL 4180  Intermediate GIS  3
BIOL 4190  GIS in Biology  5
BIOL 4200  Aquatic Ecology  4

Biology Elective Courses (up to 35 credits)

Plant Science Concentration

Required Upper-Division Biology Courses
BIOL 3040  Cell Structure and Function  3
BIOL 3260  Biology of Plants & Fungi  4
BIOL 3490  Plant Physiology  3
BIOL 4090  Plant Ecology  3

Cellular, Molecular & Developmental Biology Elective with Lab (4-5 credits)
BIOL 3060  Cell Structure and Function Laboratory  1
BIOL 3100  Experiments in Genetics Laboratory  1
BIOL 3420  Comparative Anatomy  5
BIOL 3470  General Physiology Laboratory  2
BIOL 3480  Exercise Physiology  3
BIOL 4030  Introduction to Genomics  3
BIOL 4050  Molecular Techniques Laboratory  2
BIOL 4070  Advanced Biochemistry  3
BIOL 4080  Advanced Cell Biology  3
BIOL 4150  Nerve Cell Mech. in Behavior  4
BIOL 4180  Microbial Ecology  3
BIOL 4410  Comp. Animal Physiology  2
BIOL 4440  Vertebrate Histology  3
BIOL 4500  Introductory Endocrinology  3
BIOL 4520  Behavioral Endocrinology  3
BIOL 4540  Human Systemic Physiology  3
BIOL 4800  Developmental Biology  3
BIOL 4810  Developmental Biology Lab  2
BIOL 4830  Immunobiology  3
BIOL 4850  Microbiology  3
BIOL 4870  Microbiology Laboratory  2
BIOL 4700  Molecular Biology  3
BIOL 4720  Cancer Biology  3

Ecology, Evolutionary and Organismal Biology Elective with Lab (4-5 credits)
BIOL 3220  Biology of Invertebrates  3
BIOL 3260  Biology of Plants & Fungi  4
BIOL 3450  Economic Botany  3
BIOL 4010  Sex, Evolution and Behavior  3
BIOL 4040  Pollination Biology  3
BIOL 4090  Plant Ecology  3
BIOL 4100  Natural History of Vertebrates  4
BIOL 4120  Field Botany  3
BIOL 4130  Field Mammalogy  3
BIOL 4140  Field Ornithology  5
BIOL 4180  Microbial Ecology  4
In accordance with Arts and Sciences graduation requirements, a student must earn an overall 2.00 grade point average in all minor (certificate or related) courses that are approved for completion of their degree program.

**MINOR IN BIOLOGY**

**Program Requirements**

**Required Courses (16 credits)**

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<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 1240</td>
<td>Principles of Biology I</td>
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<td>BIOL 1245</td>
<td>Principles of Biology I Lab</td>
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<tr>
<td>BIOL 1280</td>
<td>Principles of Biology II</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 1285</td>
<td>Principles of Biology II Lab</td>
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<tr>
<td>CHEM 1110</td>
<td>Introduction to Chemistry 1</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1115</td>
<td>Introduction to Chemistry I Lab</td>
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</tr>
<tr>
<td>CHEM 1120</td>
<td>Introduction to Chemistry 2</td>
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</tr>
<tr>
<td>CHEM 1125</td>
<td>Introduction to Chemistry 2 Lab</td>
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</tbody>
</table>

**Biology Elective Courses (up to 35 credits)**

**Non-Course Requirements**

All Biology majors are required to participate in first and second year mentoring sessions and meet with their mentor when in residence.

**Continuation Standards**

Students must have a minimum of a 2.0 GPA in their major courses (BIOL) and required related credits (Chemistry, Mathematics & Statistics, Physics etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses (BIOL) and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

**M.L. IN BIOLOGY**

**Program Highlights**

Biological science students at SLU have access to excellent facilities on campus and at the University's Reid Plant Science Center. Collaborations with neighboring institutions such as Washington University in St. Louis, the University of Missouri St. Louis, the Missouri Botanical Garden, the Saint Louis Zoo and the Danforth Plant Science Center further expand possibilities for research and learning.

The Master of Arts in Biology is designed to prepare graduates for further training or for careers in academic, private or government sectors. The program emphasizes coursework and does not require a thesis. Students applying generally desire to broaden their knowledge and/or become more competitive in seeking employment or gaining admission into a health science program (medical school, dentistry, etc.). The program requires at least 30 credits.

**Curriculum Overview**

The M.A. in Biology requires at least 30 post-baccalaureate credits. Coursework may be chosen from a wide variety of fields, including cell and molecular biology, biochemistry, microbiology, physiology, geographic information systems, ecology, evolution and botany.

**Careers**

Past students have gone on to careers as research scientists, teachers, university faculty, and in various capacities in pharmaceutical companies and government agencies.

**Admission Requirements**

Applicants should possess adequate undergraduate preparation in biology with a minimum 3.0 GPA in science and math courses.

Suggested courses include: Biology (a minimum of eighteen, upper-division credits); Chemistry (a minimum of eight, upper-division credits including two semesters of organic chemistry or one semester of organic chemistry and the other of biochemistry); Physics (two semesters); Mathematics (through a course in Calculus). A formal minor is not permitted.

**Application Requirements**

+ Application form and fee
+ Three letters of recommendation
+ GRE or MCAT
+ Transcript(s)
+ Résumé
+ Goal statement
+ Interview (desired)

**Requirements for International Students**

+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for
specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Dec. 15.

Review Process
Faculty committee members examine each applicant's materials and make recommendations. Consideration is given for matching applicant interests with faculty research areas.

Applicants should outline their research goals in their professional goals statement and should identify and correspond with faculty members whose area of research matches their interests early in the application process.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship. For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses
The program for the Master of Arts degree requires a minimum of 30 credits of structured coursework. No thesis is required for the degree. Courses may be chosen from upper level electives within the Department of Biology or related departments in consultation with students' advisors.

Seminars
- BIOL 5810 Departmental Seminar (every semester)
- BIOL 5820 Graduate Seminar: Cellular and Molecular Regulation (at least one semester)

OR

- BIOL 5840 Graduate Seminar: Ecology, Evolution, and Systematics (at least one semester)

Elective Courses

- BIOL 4020 Vertebrate Reproductive Physiology
- BIOL 4040 Pollination Biology
- BIOL 4090 Plant Ecology
- BIOL 4100 Natural History of the Vertebrates
- BIOL 4110 Natural History
- BIOL 4120 Field Botany
- BIOL 4130 Field Mammalogy
- BIOL 4140 Field Ornithology
- BIOL 4150 Nerve Cell Mechanisms in Behavior
- BIOL 4160 Microbial Ecology
- BIOL 4200 Aquatic Ecology
- BIOL 4210 Biology and Classification of Orchids
- BIOL 4260 Biology of Amphibians and Reptiles
- BIOL 4280 Biology of Fishes
- BIOL 4310 Biology of Birds
- BIOL 4320 Cave Biology
- BIOL 4330 Spring Flora of the Ozarks
- BIOL 4340 Systematic Biology
- BIOL 4350 Biology of Parasitic Organisms
- BIOL 4360 Animal Behavior
- BIOL 4370 Animal Behavior Laboratory
- BIOL 4380 Biology of Mammals
- BIOL 4400 Applied Ecology
- BIOL 4410 Comparative Animal Physiology
- BIOL 4440 Vertebrate Histology
- BIOL 4480 Conservation Biology
- BIOL 4500 Introductory Endocrinology
- BIOL 4510 Behavioral Endocrinology
- BIOL 4540 Human Cellular Physiology
- BIOL 4610 Developmental Biology Laboratory
- BIOL 4840 General Microbiology
- BIOL 4880 General Microbiology
- BIOL 4850 Microbiology Lab
- BIOL 4720 Cancer Biology
- BIOL 4910 Internship in Conservation
- BIOL 4912 Internship in Plant Science
- BIOL 4900 Problems in Vertebrate Morphology
- BIOL 5010 Ecology of Vertebrate Reproduction
- BIOL 5020 Comparative Vertebrate Reproduction
- BIOL 5030 Genomics
- BIOL 5050 Molecular Techniques Laboratory
- BIOL 5070 Advanced Biological Chemistry
- BIOL 5080 Advanced Cell Biology
- BIOL 5090 Biometry
- BIOL 5100 Cellular and Molecular Genetics
- BIOL 5120 Signal Transduction
- BIOL 5170 Introduction to GIS
- BIOL 5180 Intermediate GIS
- BIOL 5190 GIS in Biology
- BIOL 5300 Problems in Vertebrate Physiology
- BIOL 5340 Problems in Cell Biology
- BIOL 5350 Current Topics in Cell Biology
- BIOL 5404 Problems in Genetics
- BIOL 5410 Ecological Genetics
- BIOL 5420 Problems in Evolutionary Biology
- BIOL 5450 Biogeography
- BIOL 5480 Conservation Biology
- BIOL 5500 Problems in Ecology
- BIOL 5550 Advanced Ecology
- BIOL 5560 Advanced Evolution
- BIOL 5580 Applied Population Genetics
- BIOL 5610 Principles of Developmental Biology
- BIOL 5650 Concepts of Immunology
- BIOL 5660 Advanced Microbiology
- BIOL 5670 Advanced Population Biology
- BIOL 5700 Advanced Molecular Biology
- BIOL 5780 Problems in Botany
- BIOL 5780 Molecular Phylogenetic Analysis
- BIOL 5820 Grad Seminar: Cellular and Molecular Regulation
- BIOL 5840 Grad Seminar: Ecology, Evolution, and Systematics
- BIOL 6040 Current Topics in Developmental Biology
- BIOL 6150 Neural Basis of Behavior
- BIOL 6300 Special Studies in Comparative Physiology

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

Master of Science in Biology

Program Highlights
Biology students at SLU have access to excellent facilities on campus and at the University's Reis Biological Station. Collaborations with neighboring institutions such as Washington University in St. Louis, the University of Missouri St. Louis, the Missouri Botanical Garden, the Saint Louis Zoo and the Danforth Plant Science Center further expand possibilities for research and learning.

Students applying to the M.S. program may do so for reasons similar to those applying to the M.A. program. However, they also desire to gain experience in laboratory research, including experimental design,
interpretation of data and scientific writing. The M.S. degree requires a formal research project and thesis and is excellent preparation for continued graduate studies at the doctoral level, or for employment at environmental, industrial or research companies. The program requires at least 30 credits, six credits of which may be thesis research.

**Curriculum Overview**
The M.S. in Biology requires at least 30 post-baccalaureate credits, six credits of which will be thesis research.

**Careers**
Past students have gone on to careers as research scientists, teachers, university faculty, and in various capacities in pharmaceutical companies and government agencies.

**Admission Requirements**
Applicants should possess adequate undergraduate preparation in biology with a minimum 3.0 GPA in science and math courses.

Suggested courses include: Biology (a minimum of eighteen, upper-division credits); Chemistry (a minimum of eight, upper-division credits including two semesters of organic chemistry or one semester of organic chemistry and the other of biochemistry); Physics (two semesters); Mathematics (through a course in Calculus). A formal minor is not permitted.

For students interested in Ecology, Evolution or Systematics, additional coursework in some of the following areas is also recommended: genetics, general ecology, evolution, introductory statistics, general botany, and a taxonomically oriented course. For students interested in Cell or Molecular biology, additional coursework in some of the following areas is recommended: genetics, biochemistry, cell biology, physiology, molecular biology, microbiology or immunology.

**Application Requirements**
+ Application form and fee
+ Three letters of recommendation
+ GRE or MCAT
+ Résumé
+ Goal statement
+ Interview (desired)

**Requirements for International Students**
+ A completed Declaration of Financial Support packet with all accompanying documents
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**Scholarships and Financial Aid**
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses**
The program for the Master of Science degree requires a minimum of 30 credits, including 24 credits of structured coursework and 6 credits of Thesis Research. Courses may be chosen from upper level electives within the Department of Biology or related departments; coursework may be tailored to the research interests in consultation with advisory committees of students.

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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>BIOL 5880</td>
<td>Scientific Communication in Biology Practicum</td>
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<td>BIOL 5800</td>
<td>Research Colloquium</td>
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**Seminars**

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<td>BIOL 5810</td>
<td>Departmental Seminar (every semester)</td>
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<tr>
<td>BIOL 5820</td>
<td>Graduate Seminar: Cellular and Molecular Regulation (at least one semester)</td>
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**OR**

<table>
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<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 5840</td>
<td>Graduate Seminar: Ecology, Evolution, and Systematics (at least one semester)</td>
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**Elective Courses**

<table>
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<tr>
<th>Course Code</th>
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<td>Vertebrate Reproductive Physiology</td>
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<td>BIOL 4040</td>
<td>Pollination Biology</td>
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<td>BIOL 4090</td>
<td>Plant Ecology</td>
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<tr>
<td>BIOL 4100</td>
<td>Natural History of the Vertebrates</td>
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<td>BIOL 4110</td>
<td>Natural History</td>
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<td>BIOL 4120</td>
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<td>Field Mammalogy</td>
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<td>BIOL 4140</td>
<td>Field Ornithology</td>
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<td>BIOL 4150</td>
<td>Nerve Cell Mechanisms in Behavior</td>
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<td>BIOL 4160</td>
<td>Microbial Ecology</td>
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<td>BIOL 4200</td>
<td>Aquatic Ecology</td>
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<td>BIOL 4210</td>
<td>Biology and Classification of Orchids</td>
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<td>BIOL 4260</td>
<td>Biology of Amphibians and Reptiles</td>
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<td>Biology of Fishes</td>
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<td>Biology of Birds</td>
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<td>BIOL 4320</td>
<td>Cave Biology</td>
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<td>BIOL 4330</td>
<td>Spring Fiera of the Ozarks</td>
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<tr>
<td>BIOL 4340</td>
<td>Systematic Biology</td>
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<td>BIOL 4350</td>
<td>Biology of Parasitic Organisms</td>
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<td>BIOL 4360</td>
<td>Animal Behavior</td>
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<tr>
<td>BIOL 4370</td>
<td>Animal Behavior Laboratory</td>
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<tr>
<td>BIOL 4390</td>
<td>Biology of Mammals</td>
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<td>BIOL 4400</td>
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<td>BIOL 4410</td>
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<td>BIOL 4440</td>
<td>Vertebrate Histology</td>
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<td>Introductory Endocrinology</td>
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<td>Behavioral Endocrinology</td>
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</table>

**Biology Offers**

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Years Available</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Science</td>
<td>2017-2018</td>
</tr>
<tr>
<td>Doctor of Philosophy</td>
<td>2017-2018</td>
</tr>
</tbody>
</table>

**Saint Louis University Academic Catalog**

2017-2018
The Ph.D. in Biology requires a minimum of 36 post-baccalaureate credits, with at least 24 credits of coursework and 12 credits of dissertation research.

**Careers**

Past students have gone on to careers as research scientists, teachers, university faculty, and in various capacities in pharmaceutical companies and government agencies.

**Admission Requirements**

Suggested courses include: Biology (a minimum of eighteen, upper-division credits); Chemistry (a minimum of eight, upper-division credits including two semesters of organic chemistry or one semester of organic chemistry and the other of biochemistry); Physics (two semesters); Mathematics (through a course in Calculus). A formal minor is not permitted.

For students interested in Ecology, Evolution or Systematics, additional coursework in some of the following areas is also recommended: genetics, general ecology, evolution, introductory statistics, general botany, and a taxonomically oriented course. For students interested in Cell or Molecular Biology, additional coursework in some of the following areas is recommended: genetics, biochemistry, cell biology, physiology, molecular biology, microbiology or immunology.

Previous laboratory and research experience preferred.

**Application Requirements**

+ Application form and fee
+ Three letters of recommendation
+ GRE or MCAT
+ Résumé
+ Goal statement
+ Interview (desired)

**Requirements for International Students**

+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Assistantship Application Deadline**

Students who want to be considered for an assistantship must submit their application by Dec. 15.

**Review Process**

Faculty committee members examine each applicant's materials and make recommendations. Consideration is given for matching applicant interests with faculty research areas.

Applicants should outline their research goals in their professional goals statement and should identify and correspond with faculty members whose area of research matches their interests early in the application process.

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**Continuation Standards**

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

**DOCTOR OF PHILOSOPHY IN BIOLOGY**

**Program Highlights**

Doctoral studies emphasize intensive research training under the direction of a member of the graduate faculty. Once a Ph.D. student successfully completes required coursework and the written and oral qualifying examinations, he or she is expected to design and conduct an original research project and to work independently. The student will be required to present his or her work at local and/or national professional meetings and may also be expected to seek external funding to support the research project. Ideally, the student's research will result in publication in peer-reviewed scientific journals. A minimum of 36 credits are required, with at least 24 credits of coursework and 12 credits of dissertation research.

**Curriculum Overview**
Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses
The program for the Doctor of Philosophy degree requires a minimum of 36 credits, when pursued from the baccalaureate, including 24 credits of structured coursework and 12 credits of Dissertation Research. Courses may be chosen from upper level electives within the Department of Biology or related departments; coursework may be tailored to the research interests in consultation with the advisory committees of students.

**Elective Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>BIOL 5070</td>
<td>Advanced Biological Chemistry</td>
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<tr>
<td>BIOL 5080</td>
<td>Advanced Cell Biology</td>
<td>3</td>
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<tr>
<td>BIOL 5090</td>
<td>Biometry</td>
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<tr>
<td>BIOL 5100</td>
<td>Cellular and Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5120</td>
<td>Signal Transduction</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5170</td>
<td>Introduction to GIS</td>
<td>3</td>
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<tr>
<td>BIOL 5180</td>
<td>Intermediate GIS</td>
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<tr>
<td>BIOL 5180</td>
<td>GIS in Biology</td>
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</tr>
<tr>
<td>BIOL 5300</td>
<td>Problems in Vertebrate Physiology</td>
<td>2-4</td>
</tr>
<tr>
<td>BIOL 5340</td>
<td>Problems in Cell Biology</td>
<td>1-2</td>
</tr>
<tr>
<td>BIOL 5350</td>
<td>Current Topics in Cell Biology</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 5400</td>
<td>Problems in Genetics</td>
<td>1-4</td>
</tr>
<tr>
<td>BIOL 5410</td>
<td>Ecological Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5420</td>
<td>Problems in Evolutionary Biology</td>
<td>1-4</td>
</tr>
<tr>
<td>BIOL 5450</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5480</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5500</td>
<td>Problems in Ecology</td>
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<tr>
<td>BIOL 5550</td>
<td>Advanced Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5580</td>
<td>Advanced Evolution</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5580</td>
<td>Advanced Molecular Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5780</td>
<td>Problems in Botany</td>
<td>2-4</td>
</tr>
<tr>
<td>BIOL 5780</td>
<td>Molecular Phylogenetic Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5820</td>
<td>Grad Seminar: Cellular and Molecular Regulation</td>
<td>1-2</td>
</tr>
<tr>
<td>BIOL 5840</td>
<td>Grad Seminar: Ecology, Evolution, and Systematics</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 6040</td>
<td>Current Topics in Developmental Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 6150</td>
<td>Neural Basis of Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 6300</td>
<td>Special Studies in Comparative Physiology</td>
<td>1-4</td>
</tr>
</tbody>
</table>

Non-Course Requirements
New Ph.D. degree students who enter the program with a B.S. or B.A. degree may take the written preliminary exam the first or second spring semester they are in the program. New Ph.D. students who enter the program with a Master's degree are required to take the written preliminary exam the first spring semester they are at SLU.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
OVERVIEW

Established in 1908, the Department of Chemistry at Saint Louis University houses active research groups involving graduate students in traditional areas such as analytical, physical, organic and inorganic chemistry, as well as cross-disciplinary areas such as materials, environmental and biological chemistry. These research groups regularly publish in top-ranked journals and present at national and international conferences. Research in the department is supported by a variety of sources, including the Frasch Foundation, National Institutes of Health, National Science Foundation, Petroleum Research Fund and American Heart Association.

The Department of Chemistry offers undergraduate and graduate programs designed to meet a wide range of interests. The department participates in a dual degree program in Chemical Engineering with Washington University where a student may receive a B.A. in chemistry from Saint Louis University and a B.S. in Chemical Engineering from Washington University after 3 years of study at SLU and 2 years at Washington University.

Curriculum Overview

+ First year: General Chemistry 1 and 2, Calculus I and II
+ Second year: Organic Chemistry 1 and 2, Analytical Chemistry 1, Engineering Physics I and II
+ Third year: Physical Chemistry 1 and 2
+ Fourth year: Inorganic Chemistry, chemistry elective, senior residency

Fieldwork and Research Opportunities

Benefits of this program also include internship and career opportunities. Selected undergraduate students can apply to work with faculty in undergraduate laboratories as laboratory assistants. Lab assistants receive a stipend. Internships in the St. Louis area are also available.

Undergraduates who study chemistry at SLU can attend professional meetings and present their research results. In recent years, SLU students have presented numerous talks and poster presentations at regional and national meetings of the American Chemical Society and other scientific conferences.

Careers

Career options in chemistry include:
+ Education
+ Chemical research and development in industry or government laboratories
+ Pharmaceutical research and drug development
+ Environmental research
+ Management and administration in the chemical industry
+ Chemical and pharmaceutical sales

Other graduates continue through law school and specialize in patent law or environmental law. The public health sector is also a common area for chemists to work.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (45 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1130</td>
<td>General Chemistry 1 for Majors</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1115</td>
<td>General Chemistry 1 Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1140</td>
<td>General Chemistry 2 for Majors</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1125</td>
<td>General Chemistry 2 Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 2200</td>
<td>Analytical Chemistry 1</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 2205</td>
<td>Analytical Chemistry 1 Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>CHEM 2430</td>
<td>Organic Chemistry 1 for Majors</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2440</td>
<td>Organic Chemistry 2 for Majors</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 2435</td>
<td>Organic Chemistry 1 Laboratory for Majors</td>
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</tr>
<tr>
<td>CHEM 2445</td>
<td>Organic Chemistry 2 Laboratory for Majors</td>
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</tr>
<tr>
<td>CHEM 4500</td>
<td>Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3330</td>
<td>Physical Chemistry 1</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 3340</td>
<td>Physical Chemistry 2</td>
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<td>MATH 1520</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1610</td>
<td>Engineering Physics I*</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1620</td>
<td>Engineering Physics I Laboratory*</td>
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<tr>
<td>PHYS 1630</td>
<td>Engineering Physics II*</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1840</td>
<td>Engineering Physics II Laboratory*</td>
<td>1</td>
</tr>
</tbody>
</table>

*Engineering Physics I and II with lab are recommended for majors unless they are pre-medical. Physics I and II with lab (PHYS 1310, 1320, 1330, and 1340) also fulfill the physics requirement and are recommended for pre-medical students.

Non-Course Requirements

All undergraduate majors must complete the requirements for first year and second year mentoring. A student who transfers into the department and does not have opportunity to take one or both of these requirements must take transfer student mentoring to meet the mentoring requirement.

Continuation Standards

The following standards apply to all new freshmen and transfer students:

- Students must earn C- or better in General Chemistry I (CHEM 1120/1130) and a C- or better in General Chemistry II (CHEM 1120, 1140), or the equivalent in transfer.
- Students must earn a C- or better in Analytical Chemistry 1 (CHEM 2200).

Students who do not earn a C- in any of the identified courses must re-take the course at SLU in the following semester. If a C- is not earned on the second attempt the student will be dismissed from the major. A student who withholds from one of these courses on the first attempt thus has one more attempt to earn a C-.

Students must maintain a 2.0 GPA in their major (CHEM) and required related courses (BIOL, PHYS, MATH, etc.) If a student falls below a 2.0 major GPA the student must meet with the Undergraduate Program Director to review their academic performance. If the student cannot raise the major GPA to 2.0 in two semesters, the student will be dismissed from the major.

Bachelor of Arts in Biochemistry
Program Highlights
The B.A. in Biochemistry is designed for students interested in the applications of chemistry to the life sciences. The program prepares students for professional schools such as medicine, dentistry, law and pharmacy. The program provides excellent preparation for students interested in working in biochemistry, molecular biology or biotechnology.

The department places great emphasis on participation in undergraduate research, and majors have ample opportunities to involve themselves in research projects under the close mentorship of a full-time faculty member. Students will have the opportunity to use a variety of specialized equipment and computers in their instructional and research laboratories.

Selected undergraduate students may have opportunities to work with faculty members as laboratory assistants in undergraduate laboratories. The undergraduate lab assistant receives a stipend for this activity.

The department hosts several social events each year and sponsors a Chemistry Club for interested students.

Other highlights include:
+ The biochemistry program provides a rigorous program, which makes graduates competitive for employment in STEM areas.
+ The biochemistry program provides opportunities for students to strengthen their scientific communication skills through research activities that pair an undergraduate with a faculty researcher.
+ We offer a unique mentoring program freshman through senior year to provide guidance and support students in reaching their professional goals.

Curriculum Overview
Bachelor of Arts
+ First year: General Chemistry I and II, Calculus I and II, Principles of Biology I and II
+ Second year: Organic Chemistry I and II, Analytical Chemistry I
+ Third year: Biochemistry I and II, Engineering Physics I and II
+ Fourth year: Principles of Genetics, Physical Chemistry I or II, two chemistry electives, senior residency

Fieldwork and Research Opportunities
Benefits of this program also include internship and career opportunities. Selected undergraduate students can apply to work with faculty in undergraduate laboratories as laboratory assistants. Lab assistants receive a stipend. Internships in the St. Louis area are also available.

Undergraduates who study chemistry at SLU can attend professional meetings and present their research results. In recent years, SLU students have presented numerous talks and poster presentations at regional and national meetings of the American Chemical Society and other scientific conferences.

Careers
Benefits of this program also several career opportunities. Selected undergraduate students can apply to work with faculty in undergraduate laboratories as laboratory assistants. Lab assistants receive a stipend.

Career options in biochemistry include:
+ Teaching at the university, college or high school level
+ Chemical research and development in industry or government laboratories
+ Pharmaceutical research
+ Drug discovery and drug development
+ Biotechnology
+ Environmental research
+ Management and administration in the chemical industry
+ Chemical and pharmaceutical sales
+ Patent law and environmental law
+ Opportunities in the public health sector

A degree in biochemistry is good preparation for students wishing to continue their graduate education in graduate schools of chemistry, biochemistry and health-related areas such as pharmacology and toxicology as well as in professional schools of medicine, law, pharmacy or dentistry.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.
Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

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<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
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<td>General Chemistry I for Majors</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1115</td>
<td>General Chemistry I Laboratory</td>
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</tr>
<tr>
<td>CHEM 1140</td>
<td>General Chemistry II for Majors</td>
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</tr>
<tr>
<td>PHYS 1640</td>
<td>Engineering Physics II Laboratory*</td>
<td>1</td>
</tr>
</tbody>
</table>

*Engineering Physics I and II with lab are recommended for majors unless they are premedical. Physics I and II with lab (PHYS 1310, 1320, 1330, and 1340) also fulfill the physics requirement and are recommended for premedical students.

Non-Course Requirements

All undergraduate majors must complete the requirements for first year and second year mentoring. A student who transfers into the department and does not have opportunity to take one or both of these requirements must take transfer student mentoring to meet the mentoring requirement.

Continuation Standards

The following standards apply to all new freshmen and transfer students:

+ Students must earn C- or better in General Chemistry I (CHEM 1110/1130) and a C- or better in General Chemistry II (CHEM 1120, 1140), or the equivalent in transfer.
+ Students must earn a C- or better in Analytical Chemistry I (CHEM 2200).

Students who do not earn a C- in any of the identified courses must re-take the course at SLU in the following semester. If a C- is not earned on the second attempt the student will be dismissed from the major. A student who withdraws from one of these courses on the first attempt thus has one more attempt to earn a C-.

Students must maintain a 2.0 GPA in their major (CHEM) and required related courses (BIOL, PHYS, MATH, etc.) If a student falls below a 2.0 major GPA the student must meet with the Undergraduate Program Director to review their academic performance. If the student cannot raise the major GPA to 2.0 in two semesters, the student will be dismissed from the major.

Bachelor of Science in Chemistry

Program Highlights

The B.S. in Chemistry provides excellent preparation for students seeking employment in industry (chemical, pharmaceutical, agriculture, etc.) or the government (Department of Defense labs, regulatory agencies, law enforcement) as well as for those wishing to continue their studies in professional school (medical, dental, veterinary, law, etc.) and graduate school.

The Department of Chemistry places a great emphasis on undergraduate research. Thus, chemistry majors have ample opportunity to pursue research projects under the close mentorship of a full-time faculty member. Students use a variety of specialized equipment and computers in their laboratories and in their research. Students in upper-level chemistry courses enjoy small classes and personalized attention.

Other highlights include:

+ The chemistry program provides a rigorous program, which makes graduates competitive for employment in STEM areas.
+ The chemistry program provides opportunities for students to strengthen their scientific communication skills through research activities that pair an undergraduate with a faculty researcher.
+ We offer a unique mentoring program freshman through senior year to provide guidance and support students in reaching their professional goals.

Curriculum Overview

+ First year: General Chemistry 1 and 2, Calculus I and II
+ Second year: Organic Chemistry 1 and 2, Analytical Chemistry 1, Engineering Physics I and II
+ Third year: Physical Chemistry 1 and 2, Biochemistry, physical chemistry lab, Organic Spectroscopy, Chemical Literature, undergraduate research
+ Fourth year: Analytical Chemistry 2 and 3, General Biochemistry, Inorganic Chemistry, Inorganic chemistry lab, undergraduate research.
Admission Requirements

Fieldwork and Research Opportunities

Benefits of this program also include internship and career opportunities. Selected undergraduate students can apply to work with faculty in undergraduate laboratories as laboratory assistants. Lab assistants receive a stipend. Internships in the St. Louis area are also available.

Undergraduates who study chemistry at SLU can attend professional meetings and present their research results. In recent years, SLU students have presented numerous talks and poster presentations at regional and national meetings of the American Chemical Society and other scientific conferences.

Careers

Career options in chemistry include:

+ Education
+ Chemical research and development in industry or government laboratories
+ Pharmaceutical research and drug development
+ Environmental research
+ Management and administration in the chemical industry
+ Chemical and pharmaceutical sales

Other graduates continue through law school and specialize in patent law or environmental law. The public health sector is also a common area for chemists to work.

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer

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+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Accreditation

The Bachelor of Science in Chemistry has been continuously certified by the American Chemical Society since 1946.

Program Requirements

Required Courses (61 credits)

CHEM 1130 General Chemistry 1 for Majors 3
CHEM 1115 General Chemistry 1 Laboratory 1
CHEM 1140 General Chemistry 2 for Majors 3
CHEM 1125 General Chemistry 2 Laboratory 1
CHEM 2200 Analytical Chemistry I 2
CHEM 2205 Analytical Chemistry I Laboratory 2
CHEM 3330 Physical Chemistry I 3
CHEM 3340 Physical Chemistry 2 3
CHEM 3345 Physical Chemistry Laboratory 1
CHEM 2430 Organic Chemistry 1 for Majors 3
CHEM 2440 Organic Chemistry 2 for Majors 3
CHEM 2435 Organic Chemistry 1 Laboratory for Majors 1
CHEM 2446 Organic Chemistry 2 Laboratory for Majors 1
CHEM 3100 The Chemical Literature 1
CHEM 3970 Undergraduate Research ** 3
CHEM 4500 Inorganic Chemistry 3
CHEM 4505 Inorganic Chemistry Laboratory 1
CHEM 4200 Analytical Chemistry 2 3
CHEM 4205 Analytical Chemistry 2 Laboratory 1
CHEM 4300 Math Techniques in Chemistry 3
CHEM 4400 Organic Spectroscopy 3
CHEM 4950 Senior Residency 0
MATH 1510 Calculus I 4
MATH 1520 Calculus II 4
PHYS 1810 Engineering Physics I* 3
PHYS 1820 Engineering Physics I Laboratory* 3
PHYS 1830 Engineering Physics II* 3
PHYS 1840 Engineering Physics II Lab* 1
**Students take 3 semesters, 1 credit per semester
*Engineering Physics I and II with lab are recommended for majors unless they are pre-medical. Physics I and II with lab (PHYS 1310, 1320, 1330, and 1340) also fulfill the physics requirement and are recommended for pre-medical students
For any of the B.S. programs, a combination of MATH 2530 and MATH 3110 can be used as a substitute for CHEM 4300.

Non-Course Requirements

All undergraduate majors must complete the
requirements for first year and second year mentoring. A student who transfers into the department and does not have opportunity to take one or both of these requirements must transfer student mentoring to meet the mentoring requirement.

**Continuation Standards**
The following standards apply to all new freshmen and transfer students:

- Students must earn C- or better in General Chemistry I (CHEM 1110/1130) and a C- or better in General Chemistry II (CHEM 1120, 1140), or the equivalent in transfer.
- Students must earn a C- or better in Analytical Chemistry 1 (CHEM 2200).

Students who do not earn a C- in any of the identified courses must re-take the course at SLU in the following semester. If a C- is not earned on the second attempt the student will be dismissed from the major. A student who withdraws from one of these courses on the first attempt thus has one more attempt to earn a C-.

Students must maintain a 2.0 GPA in their major (CHEM) and required related courses (BIOL, PHYS, MATH, etc.) If a student falls below a 2.0 major GPA the student must meet with the Undergraduate Program Director to review their academic performance. If the student cannot raise the major GPA to 2.0 in two semesters, the student will be dismissed from the major.

**BACHELOR OF SCIENCE IN BIOCHEMISTRY**

**Program Highlights**
The B.S. in Biochemistry is designed for students interested in the applications of chemistry to the life sciences. The program prepares students for professional schools such as medicine, dentistry, law and pharmacy. The program provides excellent preparation for students interested in working in biochemistry, molecular biology or biotechnology.

The department of chemistry at Saint Louis University places great emphasis on participation in undergraduate research, and majors have ample opportunities to involve themselves in research projects under the close mentorship of a full-time faculty member. Students will have the opportunity to use a variety of specialized equipment and computers in their instructional and research laboratories.

Selected undergraduate students may have opportunities to work with faculty members as laboratory assistants in undergraduate laboratories. The undergraduate lab assistant receives a stipend for this activity.

The department hosts several social events each year and sponsors a Chemistry Club for interested students.

Other highlights include:

- The biochemistry program provides a rigorous program, which makes graduates competitive for employment in STEM areas.
- The biochemistry program provides opportunities for students to strengthen their scientific communication skills through research activities that pair an undergraduate with a faculty researcher.
- We offer a unique mentoring program freshman through senior year to provide guidance and support students in reaching their professional goals.

**Curriculum Overview**

- **First year:** General Chemistry I and II, Calculus I and II, Principles of Biology I and II
- **Second year:** Organic Chemistry I and II, Analytical Chemistry I, Engineering Physics I and II
- **Third year:** Biochemistry I and II, Chemistry Literature, Inorganic Chemistry, Physical Chemistry I and II, Physical Chemistry Lab, undergraduate research
- **Fourth year:** Principles of Genetics, undergraduate research, one chemistry elective, senior residency

**Fieldwork and Research Opportunities**

Benefits of this program also include internship and career opportunities. Selected undergraduate students can apply to work with faculty in undergraduate laboratories as laboratory assistants. Lab assistants receive a stipend. Internships in the St. Louis area are also available.

Undergraduates who study chemistry at SLU can attend professional meetings and present their research results. In recent years, SLU students have presented numerous talks and poster presentations at regional and national meetings of the American Chemical Society and other scientific conferences.

**Careers**

Benefits of this program also several career opportunities. Selected undergraduate students can apply to work with faculty in undergraduate laboratories as laboratory assistants. Lab assistants receive a stipend.

Career options in biochemistry include:

- Teaching at the university, college or high school level
- Chemical research and development in industry or government laboratories
- Pharmaceutical research
- Drug discovery and drug development
- Biotechnology
- Environmental research
- Management and administration in the chemical industry
- Chemical and pharmaceutical sales
- Patent law and environmental law
- Opportunities in the public health sector

A degree in biochemistry is good preparation for students wishing to continue their graduate education in graduate schools of chemistry, biochemistry and...
health-related areas such as pharmacology and toxicology as well as in professional schools of medicine, law, pharmacy or dentistry.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Accreditation
The Bachelor of Science in Biochemistry has been continuously certified by the American Chemical Society since 1946.

Program Requirements

**Required Courses (60 credits)**

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<tr>
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<th>Credits</th>
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<td>PHYS 1840</td>
<td>Engineering Physics II lab*</td>
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| *            | Engineering Physics I and II with lab are recommended for majors unless they are pre-medical. Physics I and II with lab (PHYS 1310, 1320, 1330, and 1340) also fulfill the physics requirement and are recommended for pre-medical students. **Students take 3 semesters, 1 credit per semester

† One of the following is a required elective: Mathematical Techniques in Chemistry, Analytical Chemistry 2, Environmental Chemistry, Medicinal Chemistry, Organic Spectroscopy, or a 5000 level chemistry course.

Non-Course Requirements
All undergraduate majors must complete the requirements for first year and second year mentoring. A student who transfers into the department and does not have opportunity to take one or both of these requirements must take transfer student mentoring to meet the mentoring requirement.

Continuation Standards
The following standards apply to all new freshmen and transfer students:

+ Students must earn C- or better in General Chemistry I (CHEM 1110/1130) and a C- or better in General Chemistry II (CHEM 1120, 1140), or the equivalent in transfer.
+ Students must earn a C- or better in Analytical Chemistry 1 (CHEM 2200).

Students who do not earn a C- in any of the identified courses must re-take the course at SLU in the following semester. If a C- is not earned on the second attempt the student will be dismissed from the major. A student who withdraws from one of these courses on the first attempt thus has one more attempt to earn a C-.

Students must maintain a 2.0 GPA in their major (CHEM) and required related courses (BIOL, PHYS,
MATH, etc.) If a student falls below a 2.0 major GPA the student must meet with the Undergraduate Program Director to review their academic performance. If the student cannot raise the major GPA to 2.0 in two semesters, the student will be dismissed from the major.

**MASTER OF ARTS IN CHEMISTRY**

**Program Highlights**
Graduate students in the chemistry department have access to a number of research tools, including:
- Bruker 400 and 700 MHz NMR spectrometers
- Bruker-EMX EPR, UV-Vis and FTIR spectrometers
- Research-grade spectrofluorometers
- GC-MS and LC-MS
- Electrochemical analyzers
- Gas chromatographs
- A scanning electron micrograph
- Computational facilities with modern molecular software
- A Bruker CCD X-ray diffractometer facility

The chemistry program offers students:
- Close mentoring relationships.
- Small research group size.
- Opportunities to participate in interdisciplinary research.

**Curriculum Overview**
Master of Arts in Chemistry offers specialization in analytical, inorganic, organic, physical or biological chemistry, with cross-disciplinary activity encouraged.

The requirements for the non-thesis M.A. degree in chemistry include a minimum of 30 credits of post-baccalaureate coursework and an oral examination.

Many graduate courses in chemistry are scheduled in the evening, allowing students to complete the degree as a part-time student. This flexibility allows students to tailor a program of study to suit their needs. For example, graduate courses in business and management, education, mathematics or other science disciplines may be included.

For students who hold a bachelor's degree and are interested in completing the doctoral program in chemistry, there is a mechanism to transition into the Ph.D. program after the master's requirements are completed. A total of 39 credits are required, including 12 credits from dissertation research credits. Students will develop an appropriate coursework track with a mentor that will be approved by the graduate program director and/or the department chair.

**Fieldwork and Research Opportunities**
Graduate students are active in the research areas of analytical, physical, synthetic, materials, environmental and biological chemistry. Research groups regularly publish in top-ranked journals and present at national and international conferences.

**Careers**
Possible careers for chemistry graduates include pharmaceutical scientist, crime lab analyst, environmental chemist, fuels and materials scientist, and academic researcher.

**Admission Requirements**
Applicants should possess sufficient GPA and TOEFL (if applicable) scores, and a bachelor’s degree from an accredited college or university, usually in chemistry or biochemistry, although other science majors will be considered.

Admission normally requires a minimum of 18 semester credits (minimum 2.8 GPA) of upper-division undergraduate chemistry courses including: organic chemistry (two semesters), quantitative analysis (one semester) and physical chemistry (two semesters). Students who do not meet these criteria may complete these prerequisites as part of their graduate program, though not for graduate credit.

Students who have not completed equivalent coursework in upper-level undergraduate "Inorganic Chemistry" and "Instrumental Analysis" will also be required to complete these courses but they can be taken for departmental graduate credit.

**Application Requirements**
- Application form and fee
- Three letters of recommendation
- GRE
- Résumé
- Goal statement
- Interview (desired)

**Requirements for International Students**
- A completed Declaration of Financial Support packet with all accompanying documents
- TOEFL or PTE Academic score
- Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Application Deadlines**
Students who want to be considered for the summer and fall semesters must submit their application by Jan. 15. Students who want to be considered for the spring semester should apply by Oct. 15.

**Review Process**
A three-person committee votes whether to accept applicants.

**Scholarships and Financial Aid**
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses** (6 credits)
Synthesis and Materials Chemistry Courses (6 credits)
CHEM 5180 Advances in Synthetic Chemistry 3
CHEM 5400 Organic Spectroscopy 3
CHEM 5440 Bioorganic Chemistry 3
CHEM 5460 Advanced Organic Chemistry 3
CHEM 5480 Synthetic Organic Chemistry 3
CHEM 5470 Principles of Medicinal Chemistry 3
CHEM 5500 Inorganic Chemistry* 3
CHEM 5550 Organometallic Chemistry 3
CHEM 5680 Solid State Chemistry 3
CHEM 5690 Special Topics in Inorganic Chemistry 3
CHEM 5800 Fundamentals & Design of Nanoarchitectures 3
CHEM 5850 Polymer Chemistry 3

Analytical and Physical Methods Courses (6 credits)
CHEM 5150 Statistical Methods for Physical Scientists 3
CHEM 5170 Advances in Analysis and Modeling of Chemical Systems 3
CHEM 5200 Instrumental Analysis* 3
CHEM 5230 Mass Spectrometry 3
CHEM 5250 Bioanalytical Methods of Analysis 3
CHEM 5260 Analytical Separations 3
CHEM 5270 Electroanalytical Chemistry 3
CHEM 5280 Chemical Sensors 3
CHEM 5290 Special Topics in Analytical Chemistry 3
CHEM 5330 Advanced Physical Chemistry 3
CHEM 5340 Advanced Thermodynamics 3
CHEM 5350 Elements of Surface and Colloid Science 3
CHEM 5370 Computational Chemistry 3
CHEM 5390 Special Topics in Physical Chemistry 3
CHEM 5460 Advanced Organic Chemistry 3
CHEM 5570 Chemical Applications of Group Theory and Spectroscopy 3
CHEM 5820 Biophysical Chemistry 3
CHEM 5830 Introduction to Chemical Biology and Biotechnology 3
CHEM 5700 Environmental Chemistry 3
CHEM 5800 Fundamentals & Design of Nanoarchitectures 3

Required Research Courses (3 credits)
CHEM 5970 Research Topics 3

Full-time Student Research Elective (3 credits)
CHEM 5289 Introduction to Analytical Research 3
CHEM 5399 Introduction to Physical Research 3
CHEM 5499 Introduction to Organic Research 3
CHEM 5599 Introduction to Inorganic Research 3

Part-time Students Research Course (3 credits)
CHEM 5990 Graduate Reading Course 3

Chemistry Elective Courses (12 credits)
Chemistry courses listed above for synthesis and materials chemistry or analytical and physical methods. Electives can also be fulfilled by taking 5000-level courses in other disciplines such as biology, math, computer science, engineering, and pharmacology with approval by Graduate Program Coordinator and student's committee.

Non-Course Requirements
A public oral presentation and a private oral examination

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
present at national and international conferences.

**Careers**
Possible careers for chemistry graduates include pharmaceutical scientist, crime lab analyst, environmental chemist, fuels and materials scientist, and academic researcher.

**Admission Requirements**
Applicants should possess sufficient GPA and TOEFL (if applicable) scores, and a bachelor's degree from an accredited college or university, usually in chemistry or biochemistry, although other science majors will be considered.

Admission normally requires a minimum of 18 semester credits (minimum 2.8 GPA) of upper-division undergraduate chemistry courses including: organic chemistry (two semesters), quantitative analysis (one semester) and physical chemistry (two semesters). Students who do not meet these criteria may complete these prerequisites as part of their graduate program, though not for graduate credit.

Students who have not completed equivalent coursework in upper-level undergraduate "Inorganic Chemistry" and "Instrumental Analysis" will also be required to complete these courses but they can be taken for departmental graduate credit.

**Application Requirements**
+ Application form and fee
+ Three letters of recommendation
+ GRE
+ Résumé
+ Goal statement
+ Interview (desired)

**Requirements for International Students**
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

**Application Deadlines**
Students who want to be considered for the summer and fall semesters must submit their application by Jan. 15. Students who want to be considered for the spring semester should apply by Oct. 15.

**Review Process**
A three-person committee votes whether to accept applicants.

**Scholarships and Financial Aid**
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses** (8 credits)
- CHEM 5200 Instrumental Analysis
- CHEM 5500 Inorganic Chemistry

**Synthesis and Materials Chemistry Courses (6 credits)**
- CHEM 5160 Advances in Synthetic Chemistry
- CHEM 5400 Organic Spectroscopy
- CHEM 5440 Bioorganic Chemistry
- CHEM 5450 Advanced Organic Chemistry
- CHEM 5480 Synthetic Organic Chemistry
- CHEM 5470 Principles of Medicinal Chemistry
- CHEM 5500 Inorganic Chemistry
- CHEM 5550 Organometallic Chemistry
- CHEM 5580 Solid State Chemistry
- CHEM 5590 Special Topics in Inorganic Chemistry
- CHEM 5800 Fundamentals & Design of Nanoarchitectures
- CHEM 5850 Polymer Chemistry

**Analytical and Physical Methods Courses (6 credits)**
- CHEM 5150 Statistical Methods for Physical Scientists
- CHEM 5170 Advances in Analysis and Modeling of Chemical Systems
- CHEM 5200 Instrumental Analysis
- CHEM 5230 Mass Spectrometry
- CHEM 5250 Bioanalytical Methods of Analysis
- CHEM 5260 Analytical Separations
- CHEM 5270 Electroanalytical Chemistry
- CHEM 5280 Chemical Sensors
- CHEM 5290 Special Topics in Analytical Chemistry
- CHEM 5330 Advanced Physical Chemistry
- CHEM 5340 Advanced Thermodynamics
- CHEM 5350 Elements of Surface and Colloid Science
- CHEM 5370 Computational Chemistry
- CHEM 5390 Special Topics in Physical Chemistry
- CHEM 5450 Advanced Organic Chemistry
- CHEM 5570 Chemical Applications of Group Theory and Spectroscopy
- CHEM 5620 Biophysical Chemistry
- CHEM 5630 Introduction to Chemical Biology and Biotechnology
- CHEM 5700 Environmental Chemistry
- CHEM 5800 Fundamentals & Design of Nanoarchitectures

**Required Research Courses** (9 credits)
- CHEM 5970 Research Topics
- CHEM 5990 Thesis Research

**Research Elective Courses** (3 credits)
- CHEM 5298 Introduction to Analytical Research
- CHEM 5398 Introduction to Physical Research
- CHEM 5498 Introduction to Organic Research
- CHEM 5598 Introduction to Inorganic Research

**Chemistry Elective Courses** (6 credits)
Chemistry courses listed above for synthesis and materials chemistry or analytical and physical methods. Electives can also be fulfilled by taking 5000-level courses in other disciplines such as biology, math, computer science, engineering, and pharmacology with approval by Graduate Program Coordinator and student's committee.

**Non-Course Requirements**
A public oral presentation and a private oral examination

**Continuation Standards**
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
DOCTOR OF PHILOSOPHY IN CHEMISTRY

Program Highlights
Graduate students in the chemistry department have access to a number of research tools, including:
+ Bruker 400 and 700 MHz NMR spectrometers
+ Bruker-EMX EPR, UV-Vis and FTIR spectrometers
+ Research-grade spectrofluorometers
+ GC-MS and LC-MS
+ Electrochemical analyzers
+ Gas chromatographs
+ A scanning electron micrograph
+ Computational facilities with modern molecular software
+ A Bruker CCD X-ray diffractometer facility

The chemistry program offers students:
+ Close mentoring relationships.
+ Small research group size.
+ Opportunities to participate in interdisciplinary research.

Curriculum Overview
The Ph.D. in Biology requires a minimum of 36 post-baccalaureate credits, with at least 24 credits of coursework and 12 credits of dissertation research.

Fieldwork and Research Opportunities
Ph.D. students must complete intense research culminating in a dissertation. Doctoral graduates pursue different paths; including teaching, postdoctoral studies, or careers in industry or with government agencies, such as the FDA.

Careers
Past students have gone on to careers as research scientists, teachers, university faculty, and in various capacities in pharmaceutical companies and government agencies.

Admission Requirements
Suggested courses include: Biology (a minimum of eighteen, upper-division credits); Chemistry (a minimum of eight, upper-division credits including two semesters of organic chemistry or one semester of organic chemistry and the other of biochemistry); Physics (two semesters); Mathematics (through a course in Calculus). A formal minor is not permitted.

For students interested in Ecology, Evolution or Systematics, additional coursework in some of the following areas is also recommended: genetics, general ecology, evolution, introductory statistics, general botany, and a taxonomically oriented course. For students interested in Cell or Molecular Biology, additional coursework in some of the following areas is recommended: genetics, biochemistry, cell biology, physiology, molecular biology, microbiology or immunology.

Previous laboratory and research experience preferred.

Application Requirements
+ Application form and fee
+ Three letters of recommendation
+ GRE or MCAT
+ Transcript(s)
+ Résumé
+ Goal statement
+ Interview (desired)

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Dec. 15.

Review Process
Faculty committee members examine each applicant’s materials and make recommendations. Consideration is given for matching applicant interests with faculty research areas.

Applicants should outline their research goals in their professional goals statement and should identify and correspond with faculty members whose area of research matches their interests early in the application process.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Synthesis and Materials Chemistry Courses (6 credits)
CHEM 5180 Advances in Synthetic Chemistry 3
CHEM 5400 Organic Spectroscopy 3
CHEM 5440 Bioorganic Chemistry 3
CHEM 5450 Advanced Organic Chemistry 3
CHEM 5480 Synthetic Organic Chemistry 3
CHEM 5470 Principles of Medicinal Chemistry 3
CHEM 5500 Inorganic Chemistry* 3
CHEM 5550 Organometallic Chemistry 3
CHEM 5560 Solid State Chemistry 3
CHEM 5580 Special Topics in Inorganic Chemistry 3
CHEM 5900 Fundamentals & Design of Nanoarchitectures 3
CHEM 5650 Polymer Chemistry 3

Analytical and Physical Methods Courses (6 credits)
CHEM 5150 Statistical Methods for Physical Scientists 3
CHEM 5170 Advances in Analysis and Modeling of Chemical Systems 3
CHEM 5200 Instrumental Analysis* 3
CHEM 5230 Mass Spectrometry 3
CHEM 5250 Bioanalytical Methods of Analysis 3
CHEM 5260 Analytical Separations 3
CHEM 5270 Electroanalytical Chemistry 3
CHEM 5280 Chemical Sensors 3
CHEM 5290 Special Topics in Analytical Chemistry 3
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<td>Elements of Surface and Colloid Science</td>
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<td>CHEM 5370</td>
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**Required Research Courses (18 credits)**

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**Research Elective Courses (3 credits)**

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<td>CHEM 5599</td>
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</table>

**Chemistry Elective (6 credits)**

Chemistry courses listed above for synthesis and materials chemistry or analytical and physical methods. Electives can also be fulfilled by taking 5000-level courses in other disciplines such as biology, math, computer science, engineering, and pharmacology with approval by Graduate Program Coordinator and student's committee.

**TOTAL CREDITS: 39**

**Non-Course Requirements**

+ Completion of Research Progress Exam
+ Completion of Written Comprehensive Exam
+ Completion of Oral Defense of Research Proposal

New Ph.D. degree students who enter the program with a B.S. or B.A. degree may take the written preliminary exam the first or second spring semester they are in the program. New Ph.D. students who enter the program with a Master's degree are required to take the written preliminary exam the first spring semester they are at SLU.

**Continuation Standards**

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
COMMUNICATION
www.slu.edu/arts-and-sciences/communication

LEADERSHIP
April Trees, Ph.D.
Department Chair
Matt Carlson, Ph.D.,
Graduate Program Director

OVERVIEW
The Department of Communication offers both a bachelor's and a master's degree.

The 37-credit undergraduate major (Bachelor of Arts in Communication) offers three concentrations: Advertising & Public Relations; Communication Studies; and Journalism & Media Studies. Through the study of human interaction in personal, organizational, public, and mediated contexts, students examine communication processes and apply communication theory. In this major, students learn to creatively design, effectively deliver, and critically analyze messages to influence, connect, and inform, with a particular emphasis on cultural competence and ethical practice. They develop writing, speaking, and digital-production skills. The curriculum prepares students for careers in public relations, advertising, and journalism, as well as positions in for-profit and not-for-profit organizations, such as patient advocates, human-resource specialists, training and development managers, and communication directors.

The Master of Arts degree designed to teach students to be conscientious thinkers and leaders who communicate effectively in a diverse world. Coursework options allow students to deepen their understandings of communication theory and research within a variety of areas of study, including health communication, intercultural communication, interpersonal communication, media studies, organizational communication, rhetoric and public dialogue, and strategic communication. Working professionals and those seeking careers as organizational practitioners may be more attracted to the applied project or the comprehensive exam degree completion options, while students anticipating research-based careers or who might progress to doctoral programs should consider the thesis degree completion option.

Undergraduate Offerings
+ Bachelor of Arts in Communication
+ Minor in Communication
+ Minor in Visual Communication

Graduate Offerings
+ Master of Arts in Communication

Faculty
Robert Anderson, Ph.D., Professor Emeritus
Diana Carlin, Ph.D., Professor Emeritus
Matthew A. Carlson, Ph.D.
Mary R. Gould, Ph.D.
Cynthia Graville-Smith, M.Ed.

Amber W. Hinsley, Ph.D.
Tim Huffman, Ph.D.
Ilwoo Ju, Ph.D.
Daniel V. Kozlowski, Ph.D.
Robert Krizek, Ph.D., Professor Emeritus
Amber Johnson, Ph.D.
Jonathan Mabee, M.F.A.
Avis E. Meyer, Ph.D., Professor Emeritus
Jennifer E. Ohs, Ph.D.
Elizabeth M. Richard, Ph.D.
Karla D. Scott, Ph.D.
Nancy Wilson, Ph.D.

BACHELOR OF ARTS IN COMMUNICATION

Program Highlights
In a world where information is plentiful and complex, technology changes rapidly and globalization connects cultures, studying communication gives students the flexibility to adapt and the skills to succeed in their academic, professional and personal lives. The department of communication at Saint Louis University integrates the study of human communication, media and strategic communication in innovative ways to prepare students for careers in journalism and media, advertising, public relations, and corporate, government and nonprofit settings.

Messages matter, and an education in communication at SLU teaches students to design, deliver and analyze messages so students can influence, connect and inform. Students develop skills to be culturally competent and ethically responsible communicators in their fields. At SLU, communication students learn to create, engage and think critically.

Create
+ Students develop writing, speaking and digital production skills that prepare them for professional success. Studies consistently show that employers value these skills in the workplace.

Engage
+ Students are given opportunities to participate in service endeavors as part of their coursework experiences. They explore ways that communication contributes to the greater good and learn to use communication principles to promote social justice.

Think Critically
+ Students learn about communication theories and research tools. They develop critical skills for analysis and application of theory to practice. And they hone their ability to gather and analyze data in professional contexts.

The multimedia resources offer students the opportunity to explore the latest communication technologies. Faculty members help students become lifelong learners of technology, able to adapt to inevitable change and think critically about the social implications of technological changes.

Additional Highlights include:
+ Small class sizes and close connections to faculty along with many professional development opportunities
+ Emphasizes the role communication plays in promoting social justice
+ International campus connections

Curriculum Overview
Across concentrations, students develop strong oral, written and digital communication skills. Students choose from one of three different concentrations:

Advertising and Public Relations
Students develop the professional skills used by advertising and PR practitioners, including critical thinking and strategic expertise necessary for effective campaign creation and implementation.

Communication Studies
Students study human interaction in interpersonal, organizational and public contexts. They develop skills for communicating effectively within and across cultures in a diverse society and for functioning effectively in both informal and formal leadership roles in a variety of settings. These skills include working in teams, solving problems, managing conflict, engaging in advocacy and developing relationships.

Journalism and Media Studies
Students develop essential skills for working in media organizations, along with the needed skills to evaluate and adapt to changes in media during their careers. Courses expose students to a wide range of technologies, theoretical perspectives, ethical decision-making principles and storytelling skills across media platforms.

Typical Course of Study
Students planning to major in Communication should ideally have taken CMM 1000, CMM 1200, CMM 2400, CMM 2600, and CMM 2800 by the end of their sophomore year. Introductory professional courses, such as CMM 3600 Public Relations Principles and Practices or CMM 3700 Advertising Principles and Practices, should be taken by the end of the junior year. Students should take Foundations courses during their junior and senior years, after having completed the communication core. Internships are best taken sometime in the last three semesters of the program. The department also encourage students, when appropriate, to attend classes for one semester at the Madrid, Spain campus. This semester abroad normally transpires during their third year or after at least 60 credits of earned credits.

Fieldwork and Research Opportunities
To enhance students' educational experience, the department of communication provides an expansive internship program. Many students take advantage of Saint Louis' urban location, working at one of the many corporate, nonprofit or media organizations in St. Louis that offer internship experiences. Internships offer students a chance to identify and refine their career interests and strengths and provide valuable professional experience.

In addition to internships, students participate in many activities and media organizations outside the classroom, such as:
+ KSLU radio, SLU-TV and University News and OneWorld
+ Ad Club and PR Club

Careers
More than 90 percent of graduates from the undergraduate program begin a career in their chosen fields. SLU students majoring in communication continue on to a variety of successful careers in advertising or public relations agencies, large corporations, nonprofits, small businesses and media organizations.

Some of the positions they hold include:
+ Agency account executive
+ Broadcast news reporter
+ Community relations specialist
+ Content development specialist/strategist
+ Copy writer/editor
+ Corporate giving director
+ Corporate responsibility manager
+ Creative director
+ Customer service specialist
+ Digital marketing coordinator
+ Event coordinator
+ Graphic designer
+ Human resources specialist
+ Lawyer
+ Market researcher
+ Media relations specialist
+ Multiplatform journalist
+ Public information officer
+ School district community liaison
+ Social media coordinator
+ Teacher
+ Television producer
+ Youth development facilitator with Peace Corps

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An
official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant’s file, the office of admission holistically examines the student’s academic performance in college-level coursework as an indicator of the student’s ability to meet the academic rigors of Saint Louis University.

Transfer students from regionally accredited colleges or universities may request up to 15 credits of previous coursework in speech, communication, or mass communication be applied toward their B.A. in Communication (students often transfer courses such as Human Communication and Culture, Public Speaking, and/or Newswriting).

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Communication Core (13 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 1000 Human Communication &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>CMM 1200 Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>CMM 2400 Media &amp; Society</td>
<td>3</td>
</tr>
<tr>
<td>CMM 2500 Media Lab</td>
<td>1</td>
</tr>
<tr>
<td>CMM 2800 Communication Research</td>
<td>3</td>
</tr>
</tbody>
</table>

Communication majors may take CMM 1000 Human Communication and Culture to fulfill three credits of the College of Arts and Sciences core requirement in social science. The remaining three credits must be taken in an area outside communication.

Advertising and Public Relations Concentration

Writing Requirement (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 2100 Journalism: Newswriting</td>
<td>3</td>
</tr>
</tbody>
</table>

Writing Elective (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 3810 Writing for Public Relations</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3710 Advertising Writing and Production</td>
<td>3</td>
</tr>
</tbody>
</table>

Foundations Requirement (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 3800 Public Relations Principles and Practices</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3700 Advertising Principles and Practices</td>
<td>3</td>
</tr>
</tbody>
</table>

Production Practices and Applications (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 2510 Video Design and Production</td>
<td>3</td>
</tr>
<tr>
<td>CMM 2550 Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3120 Media Scriptwriting</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3510 Studio Production</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3520 Sports Documentary</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3530 Documentary Production</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3560 Publication Design</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3710 Advertising Writing and Production</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4100 Multiplatform Journalism</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4590 Advanced Media Practicum</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4720 NSAC Advertising Competition</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4810 Digital Storytelling</td>
<td>3</td>
</tr>
</tbody>
</table>

Research/Applications (3 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 4600 Integrated Communications Campaigns</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4700 Advertising Research and Strategic Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

Communication Elective Courses (6 credits)

These courses may be chosen from any Communication course offered in the department, as long as they have not been used to meet other major requirements.

TOTAL CREDITS: 37

Communication Studies Concentration

Writing Requirement (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 2120 Message Design</td>
<td>3</td>
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</tbody>
</table>

Foundations Requirements (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 3000 Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3070 Communication and Public Life</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3200 Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3300 Intercultural Communication</td>
<td>3</td>
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</tbody>
</table>

Foundation Elective (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 3050 Argumentation and Debate</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3080 Political Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3080 Sport Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3090 Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3840 Analysis of Popular Culture</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4000 Family Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4050 Theories of Persuasion</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4070 Social Justice Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4200 Leadership and Teams</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4220 Conflict, Mediation and Negotiation</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4240 Training &amp; Development</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4300 Gender and Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4320 Communicating Across Racial Divisions</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4430 Culture, Technology &amp; Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Production Practices and Applications (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 2510 Video Design and Production</td>
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</tr>
<tr>
<td>CMM 2550 Photojournalism</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3120 Media Scriptwriting</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3510 Studio Production</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3520 Sports Documentary</td>
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<tr>
<td>CMM 3530 Documentary Production</td>
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<tr>
<td>CMM 3560 Publication Design</td>
<td>3</td>
</tr>
<tr>
<td>CMM 3710 Advertising Writing and Production</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4100 Multiplatform Journalism</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4590 Advanced Media Practicum</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4720 NSAC Advertising Competition</td>
<td>3</td>
</tr>
<tr>
<td>CMM 4810 Digital Storytelling</td>
<td>3</td>
</tr>
</tbody>
</table>

Research/Applications (3 credits):

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 4980 Senior Capstone in Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Communication Elective Courses (6 credits)

These courses may be chosen from any Communication course offered in the department, as long as they have not been used to meet other major requirements.

TOTAL CREDITS: 37

Journalism and Media Studies Concentration

Writing Requirement (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 2100 Journalism: Newswriting</td>
<td>3</td>
</tr>
</tbody>
</table>
Foundations Requirements (6 credits)
CMM 3420 Literary Journalism 3
CMM 3440 Media Ethics 3
CMM 3840 Analysis of Popular Culture 3
CMM 4350 Stereotyping and Bias in the Mass Media 3
CMM 4410 Critical Perspectives on Journalism 3
CMM 4420 Theory of Free Expression 3
CMM 4430 Culture, Technology & Communication 3
CMM 4470 Media and Politics 3

Production Practices and Applications (3 credits)
CMM 2510 Video Design and Production 3
CMM 2560 Photomedia 3
CMM 3120 Media Scriptwriting * 3
CMM 3510 Studio Production 3
CMM 3520 Sports Documentary 3
CMM 3530 Documentary Production 3
CMM 3560 Publication Design 3
CMM 3710 Advertising Writing and Production 3
CMM 4100 Multimodal Journalism 3
CMM 4590 Advanced Media Practicum 3
CMM 4720 NSAC Advertising Competition 3
CMM 4810 Digital Storytelling 3

Research/Applications (6 credits):
Choose two (6 credits) from courses below; at least one (3 credits) must be a writing course (*)
CMM 2510 Video Design and Production 3
CMM 2560 Photomedia 3
CMM 3120 Media Scriptwriting * 3
CMM 3120 Media Scriptwriting * 3
CMM 3130 Editorial and Opinion Writing * 3
CMM 3560 Publication Design 3
CMM 3800 Interviewing and Listening 3
CMM 3510 Studio Production 3
CMM 3520 Sports Documentary 3
CMM 3530 Documentary Production 3
CMM 4100 Multimodal Journalism 3
CMM 4160 Editing * 3
CMM 4810 Digital Storytelling 3
CMM 4590 Advanced Media Practicum 3
CMM 4910 Internship** 0-3
**with special approval)

Communication Elective Courses (6 credits)
These courses may be chosen from any Communication course offered in the department, as long as they have not been used to meet other major requirements.
TOTAL CREDITS: 21

Continuation Standards
After completing 12 credits in the minor, a student must maintain a 2.0 GPA in the minor. Failure to meet this standard will result in the student being placed on probation. If the student's GPA in the minor does not reach 2.0 after two additional semesters, the department may dismiss the student from the program.

Minor in Visual Communication

Overview
The Visual Communication Interdisciplinary Minor provides the theoretical framework and the technical facility for students to understand and manipulate visual elements effectively in a variety of communication modes such as: graphic design, web design, radio, video, and animation. The contributing departments for this program are the Department of Communication, the Studio Art Program of the Department of Fine and Performing Arts and the Department of English. The program is designed so the aesthetic judgment and understanding acquired in the Studio Art coursework and the technical facility and analytical processes learned in the Communication and English coursework can be focused on discovering innovative and aesthetically pleasing solutions to the specific problems inherent in the visual communication process. This combination of attributes will lead to a student equipped to produce and address the products of visual communication as both artistic artifacts and technical instruments. Students are encouraged to complete an internship as part of the Minor.

Program Requirements

Communication Majors
A minimum of 12 credits of program must be selected from designated Studio Art courses.

Studio Art Majors
A minimum of 13 credits of program must be selected from designated Communication courses.

Other Majors
A distribution of no less than 6 credits from each contributing discipline must be taken.

Required Courses (10 credits)

Communication Majors
CMM 2500 Media Lab 1
ART 2700 Graphic Design I 3
ART 2500 Computer Art I 3
ART 3700 Graphic Design II 3

Studio Art Majors
ART 2700 Graphic Design I 3

MINOR IN COMMUNICATION

Program Requirements

Foundation Courses (6 credits)
CMM 1000 Human Communication and Culture 3
CMM 2400 Media & Society 3

Writing Course (3 credits)
CMM 2100 Journalism: Newswriting 3
CMM 2120 Message Design 3

Communication Elective Courses (12 credits)
These courses may be chosen from any Communication course offered in the department, as long as they have not been used to meet other major requirements.

At least 6 credits of which must be at the 3000 or 4000 level. The elective credits should be chosen in consultation with the student's faculty mentor.

TOTAL CREDITS: 37

Continuation Standards
After completing 18 credits in the major, a student must maintain a 2.0 GPA in the major. Failure to meet this standard will result in the student being placed on probation. If the student's GPA in the major does not reach 2.0 after two additional semesters, the department may dismiss the student from the program.
understanding of communication theory and research

Coursework options allow students to deepen their process through a multi-

opportunities to explore the human communication

The graduate degree in communication provides

Students have three

Curriculum Overview

Saint Louis University's master's program in

Program Highlights

Successful applicants typically have GRE scores in the

There are no minimum GRE or GPA requirements. Successful applicants usually have GRE scores in the range of 153 Verbal, 144 Quantitative and 4.0 Analytical Writing, with an overall GPA of 3.0 or above.

Applicants whose scores vary from these guidelines may be admitted based upon fit with the program, past experiences or letters of recommendation.

Application Requirements

Undergraduate Communication degree or a degree in a related discipline with possible prerequisites in Communication Research.

Admission Requirements

Requirements for International Students

Applications and Assistantship Application Deadlines

Students who want to be considered for an assistantship must submit their application along with the request to be considered for an assistantship by Jan. 15. The assistantship request goes directly to the department.
U.S. students who want to be considered for admission must submit their applications by July 1 for the fall semester and Nov. 1 for the spring semester.

International students who want to be considered for admission must submit their applications by May 1 for the fall semester and Oct. 1 for the spring semester.

Review Process
The Department of Communication carefully reviews each applicant’s material as a package to gain an overall understanding of his or her background, goals and abilities.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 5000</td>
<td>Graduate Study of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5010</td>
<td>Reading Foundations in Communication Theory</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5800</td>
<td>Research Methods in Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

Applied Project Option

Communication Elective Courses (18 credits)*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 5020</td>
<td>Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5050</td>
<td>Rhetorical Theory and Criticism</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5070</td>
<td>Contemporary Theories in Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5080</td>
<td>Philosophy of Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5090</td>
<td>Health Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5200</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5300</td>
<td>Culture and Public Dialogue</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5340</td>
<td>Language and Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5400</td>
<td>Contemporary Issues in Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5410</td>
<td>Foundations of Journalism</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5440</td>
<td>Communication Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5450</td>
<td>Studies in Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5600</td>
<td>Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5810</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5890</td>
<td>Graduate Reading Course</td>
<td>3</td>
</tr>
</tbody>
</table>

*Up to six credits of graduate courses outside of communication

Thesis Option

Communication Elective Courses (15 credits)*

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CMM 5020</td>
<td>Interpersonal Communication</td>
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<tr>
<td>CMM 5070</td>
<td>Contemporary Theories in Communication</td>
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<tr>
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<td>Philosophy of Communication</td>
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<tr>
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<td>Health Communication</td>
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</tr>
<tr>
<td>CMM 5200</td>
<td>Organizational Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5300</td>
<td>Culture and Public Dialogue</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5340</td>
<td>Language and Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5400</td>
<td>Contemporary Issues in Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5410</td>
<td>Foundations of Journalism</td>
<td>3</td>
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<tr>
<td>CMM 5440</td>
<td>Communication Ethics</td>
<td>3</td>
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<tr>
<td>CMM 5450</td>
<td>Studies in Mass Media</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5600</td>
<td>Strategic Communication</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5810</td>
<td>Digital Storytelling</td>
<td>3</td>
</tr>
<tr>
<td>CMM 5890</td>
<td>Graduate Reading Course</td>
<td>3</td>
</tr>
</tbody>
</table>

*Up to six credits of graduate courses outside of communication

Comprehensive written exam

Thesis Research (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMM 5990</td>
<td>Thesis Research</td>
<td>6</td>
</tr>
</tbody>
</table>

Non-Course Requirements

Each of the three options requires a final oral examination.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
COMPUTER SCIENCE

LEADERSHIP
Michael Goldwasser, Ph.D.
Department Chair

OVERVIEW
The undergraduate computer science program is designed to give students an overview of this broad field as well as to develop lifelong skills and knowledge related to the many branches of computer science. Classes are small and taught by enthusiastic professors using hands-on projects and group work. Both the B.A. and B.S. programs provide a rigorous, comprehensive study that adopts national standards and are regularly updated to reflect the rapid developments in the field of computing.

Undergraduate Offerings
+ Bachelor of Arts in Computer Science
+ Bachelor of Science in Computer Science
+ Minor in Computer Science

Faculty
Tae-Hyuk (Ted) Ahn, Ph.D.
Erin Chambers, Ph.D.
Bryan Clair, Ph.D.
Flavio Esposito, Ph.D.
David Ferry, Ph.D.
Jason Fritts, Ph.D.
David Letscher, Ph.D.
Kevin Scannell, Ph.D.
Jacob Sukhodolsky, Ph.D.

BACHELOR OF ARTS IN COMPUTER SCIENCE

Program Highlights
Computer science is an exciting, rapidly developing field that has vast influence on modern society. Computer science encompasses a broad range of theory and applications. Due to the emphasis on problem-solving skills, computer science is an excellent major for students going into many fields, including technology, business, medicine and law.

The department of computer science at Saint Louis University offers a Bachelor of Arts and a Bachelor of Science in computer science. The B.A. curriculum includes a broad liberal arts study and can be combined with a second major or minor in fields such as art, criminal science or psychology. The B.S. is designed for students who want a greater technical depth of study, and it can be paired with other science, mathematics and engineering programs.

The accelerated program allows SLU undergraduate computer science majors to earn both a bachelor's degree and a master's degree in five years. Students combine a B.A. or B.S. in computer science with a master's degree in bioinformatics and computational biology.

Computer science courses are taught in small sections to allow for the best dialogue between the instructor and the students. Courses are taught in computer classrooms, emphasize practice as well as theory and often involve substantial group work.

Additional Highlights include:
+ We offer students a choice of engaging introductory courses, allowing them to better connect the application of computer science to own interests.
+ Most courses are taught in computer labs to allow for hands-on learning and with small class sizes that allow for rich student-faculty interactions.
+ The position within the College of Arts and Sciences allows students to see the impact and application of computing throughout society.

Curriculum Overview
Students completing the Bachelor of Arts curriculum in Computer Science obtain a rigorous, comprehensive background in the discipline. With this curriculum they are afforded time to delve into other academic interests, including pre-professional studies, or a minor or major in another discipline. Students should consult with their advisor to tailor their CS electives to their individual goals.

Careers
In recent years, SLU computer science students have accepted paid internships and full-time jobs with the following organizations:
+ Amazon
+ Anheuser-Busch/InBev
+ Apple
+ Asynchrony
+ Boeing
+ Booz Allen Hamilton
+ Bullhorn
+ Centene
+ CenturyLink
+ Cit
+ Cleafdent Software
+ Cofactor Genomics
+ Control Microsystems
+ Digital Concepts
+ Distribution Management Inc.
+ Dotomi
+ Equifax Workforce Solutions
+ Express Scripts
+ FactSet Research Systems
+ Garmin
+ Groupon
+ Hyland Software
+ Lickenborck Technologies
+ Mastercard
+ Monsanto
+ National Information Services Corp
+ National Security Agency
+ Nylas
+ Pinterest
+ SLU's Center for Digital Humanities
+ SLU's Information Technology Services
Required Computer Science Courses (24 credits)

- CSCI 10xx Introduction to Computer Science*
- CSCI 1300 Intro to Object-Oriented Programming
- CSCI 2100 Data Structures
- CSCI 2300 Object-Oriented Software Design
- CSCI 2400 Computer Architecture
- CSCI 3500 Operating Systems
- CSCI 4961 Capstone Project I

* When completing a major or minor in Computer Science, the requirement designated as “CSCI 10xx” can be met using any 3-credit course numbered from 1010 to 1090. With permission, a computing-intensive course from another discipline may be substituted. Examples of such courses include BME 2000 and CVNG 1500.

Required Mathematics Courses (11 credits)

- MATH 1510 Calculus I
- MATH 1520 Calculus II
- MATH 1680 Discrete Mathematics

Required Computer Ethics (3 credits)

- PHIL 3410 Computer Ethics

Computer Science Elective Courses (6 credits)

Two additional CSCI courses at 3000-level or higher

Mathematics Elective (3 credits)

One additional MATH course at the 2000-level or higher

Applications Elective Courses (3 credits)

- CSCI 3650 Network Programming I
- CSCI 3710 Databases
- CSCI 3820 Computer Graphics
- CSCI 4550 Advanced Operating Systems
- CSCI 4950 Computer Security
- CSCI 4950 High-Performance Computing

Theory Elective Courses (3 credits)

- CSCI 3100 Algorithms
- CSCI 3200 Programming Languages
- CSCI 3250 Compilers
- CSCI 4130 Automata

TOTAL CREDITS: 53

Continuation Standards

After declaring a Computer Science major, students must achieve a minimum GPA of 2.00 in Computer Science courses by the conclusion of their second year as a major, and maintain such a GPA at the conclusion of each semester thereafter. Furthermore, students should require at most two attempts to successfully complete any computer science courses required for the major (where an unsuccessful attempt is considered a D or F for courses numbered 2100 and lower, and an F in higher-level courses). Students are also expected to make adequate progress in the major, typically by enrolling in at least one computer science course per semester until completing their coursework (with exceptions made for premed scholars during their first year, and all students if studying abroad or facing other such extenuating circumstances).

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

Program Highlights

Computer science is an exciting, rapidly developing field that has vast influence on modern society. Computer science encompasses a broad range of theory and applications. Due to the emphasis on problem-solving skills, computer science is an excellent major for students going into many fields, including technology, business, medicine and law.

The department of computer science at Saint Louis
University offers a Bachelor of Arts and a Bachelor of Science in computer science. The B.A. curriculum includes a broad liberal arts study and can be combined with a second major or minor in fields such as art, criminal science or psychology. The B.S. is designed for students who want a greater technical depth of study, and it can be paired with other science, mathematics and engineering programs.

The accelerated program allows SLU undergraduate computer science majors to earn both a bachelor's degree and a master's degree in five years. Students combine a B.A. or B.S. in computer science with a master's degree in bioinformatics and computational biology.

Computer science courses are taught in small sections to allow for the best dialogue between the instructor and the students. Courses are taught in computer classrooms, emphasize practice as well as theory and often involve substantial group work.

Additional Highlights include:
+ We offer students a choice of engaging introductory courses, allowing them to better connect the application of computer science to own interests.
+ Most courses are taught in computer labs to allow for hands-on learning and with small class sizes that allow for rich student-faculty interactions.
+ The position within the College of Arts and Sciences allows students to see the impact and application of computing throughout society.

Curriculum Overview
Students completing the Bachelor of Science curriculum in Computer Science obtain a technically rigorous and comprehensive degree, modeled upon recommendations of the ABET Computing Accreditation Commission. They take two additional mathematics and two additional computer science courses than are required for the BA. The BS degree also requires twelve credits of science, including one sequence of two lab courses.

Careers
In recent years, SLU computer science students have accepted paid internships and full-time jobs with the following organizations:
+ Amazon
+ Anheuser-Busch/InBev
+ Apple
+ Asynchrony
+ Boeing
+ Booz Allen Hamilton
+ Bullhorn
+ Centene
+ CenturyLink
+ Citi
+ Clearent Software
+ Cofactor Genomics
+ Control Microsystems
+ Digital Concepts
+ Distribution Management Inc.
+ Dotomi
+ Equifax Workforce Solutions
+ Express Scripts
+ FactSet Research Systems
+ Garmin
+ Groupon
+ Hyland Software
+ Lickenborck Technologies
+ Mastercard
+ Monsanto
+ National Information Services Corp
+ National Security Agency
+ Nylas
+ Pinterest
+ SLU's Center for Digital Humanities
+ SLU's Information Technology Services
+ Scott Air Force Base
+ Scottrade
+ Sosh
+ Sterneck Capital Management
+ Ungerboeck Software

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.
For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Computer Science Courses (33 credits)

CSCI 10xx Introduction to Computer Science* 3
CSCI 1300 Intro to Object-Oriented Programming 4
CSCI 2100 Data Structures 4
CSCI 2300 Object-Oriented Software Design 3
CSCI 2400 Computer Architecture 3
CSCI 3100 Algorithms 3
CSCI 3200 Programming Languages 3
CSCI 3300 Software Engineering 3
CSCI 3500 Operating Systems 3
CSCI 4861 Capstone Project I 2
CSCI 4862 Capstone Project II 2
* When completing a major or minor in Computer Science, the requirement designated as "CSCI 10xx" can be met using any 3-credit course numbered from 1010 to 1090. With permission, a computing-intensive course from another discipline may be substituted. Examples of such courses include BME 2000 and CVNG 1500.

Required Mathematics Courses (11 credits)

MATH 1510 Calculus I 4
MATH 1520 Calculus II 4
MATH 1880 Discrete Mathematics 3

Required Computer Ethics (3 credits)

PHIL 3410 Computer Ethics 3

Computer Science Elective Courses (6 credits)

Two additional CSCI courses at the 3000-level or higher 8

Mathematics Elective (9 credits)

Three additional MATH course at the 2000-level or higher 9

Applications Elective Courses (3 credits)

CSCI 3850 Network Programming I 3
CSCI 3710 Databases 3
CSCI 3820 Computer Graphics 3
CSCI 4550 Advanced Operating Systems 3

CSCI 4850 Computer Security 3
CSCI 4850 High-Performance Computing 4

Science Requirements (12 credits)

Two-course sequence in a lab science 8
Additional credits of science 4

TOTAL CREDITS: 77

Continuation Standards

After declaring a Computer Science major, students must achieve a minimum GPA of 2.00 in Computer Science courses by the conclusion of their second year as a major, and maintain such a GPA at the conclusion of each semester thereafter. Furthermore, students should require at least two attempts to successfully complete any computer science courses required for the major (where an unsuccessful attempt is considered a D or F for courses numbered 2100 and lower, and an F in higher-level courses). Students are also expected to make adequate progress in the major, typically by enrolling in at least one computer science course per semester until completing their coursework (with exceptions made for premed scholars during their first year, and all students if studying abroad or facing other such extenuating circumstances).

SECONDARY MAJOR IN COMPUTER SCIENCE

Overview

Students completing a primary major in another field may complete a secondary major in Computer Science by fulfilling the version of these requirements that is commensurate with the credentials of their primary degree (i.e., the B.A. requirements if doing a primary B.A., the B.S. requirements if doing a primary B.S.). This includes not only the CSCI coursework, but all stated Math, Science, and Ethics requirements.

Students whose primary majors are outside of the College of Arts & Sciences are not required to complete the formal ABS Core. However, students who are receiving a B.S. degree with a secondary major in Computer Science are required, for breadth, to complete at least 27 credits of coursework outside of science, technology, engineering, and math.

Program Requirements

Required Courses (14 credits)

CSCI 10xx Introduction to Computer Science* 3
CSCI 1300 Intro to Object-Oriented Programming 4
CSCI 2100 Data Structures 4
MATH 1880 Discrete Mathematics 3

Computer Science Elective Courses (6 credits)

Two additional CSCI courses at the 2000-level or higher 8

TOTAL CREDITS: 20

Continuation Standards

After declaring a Computer Science major, students must achieve a minimum GPA of 2.00 in Computer Science courses by the conclusion of their second year as a major, and maintain such a GPA at the conclusion of each semester thereafter. Furthermore, students should require at least two attempts to successfully complete any computer science courses required for the major (where an unsuccessful attempt is considered a D or F for courses numbered 2100 and lower, and an F in higher-level courses). Students are also expected to make adequate progress in the major, typically by enrolling in at least one computer science course per semester until completing their coursework (with exceptions made for premed scholars during their first year, and all students if studying abroad or facing other such extenuating circumstances).

MINOR IN COMPUTER SCIENCE

Program Requirements

Required Courses (14 credits)

CSCI 10xx Introduction to Computer Science* 3
CSCI 1300 Intro to Object-Oriented Programming 4
CSCI 2100 Data Structures 4
MATH 1880 Discrete Mathematics 3
Computer Science Elective Courses (6 credits)
Two additional CSCI courses at the 2000-level or higher 6

TOTAL CREDITS: 20

Continuation Standards
Students with a minor in Computer Science must maintain a 2.0 GPA in courses for the Computer Science minor.
EARTH AND ATMOSPHERIC SCIENCES
www.slu.edu/arts-and-sciences/earth-atmospheric-sciences

LEADERSHIP
Benjamin de Foy, Ph.D
Department Chair

Robert B Herrmann, Ph.D.
Graduate Program Director Geoscience

Zaitao Pan, Ph.D.,
Graduate Program Director Meteorology

OVERVIEW
The Department of Earth and Atmospheric Sciences offers a range of undergraduate and graduate programs in Environmental Science, Environmental Studies, Geology, Geophysics, and Meteorology.

The department has a tradition of combining strong classroom and field-based instruction with internationally recognized research across a broad spectrum of the physical sciences, including seismology and solid earth geophysics, tectonics, synoptic meteorology, environmental systems, and the study of modern and ancient climate change.

Undergraduate Offerings
+ Bachelor of Arts in Environmental Science
+ Bachelor of Science in Environmental Science
+ Bachelor of Arts in Environmental Studies
+ Bachelor of Arts in Geology
+ Bachelor of Science in Geology
+ Bachelor of Science in Geophysics
+ Bachelor of Arts in Meteorology
+ Bachelor of Science in Meteorology
+ Minor in Environmental Science
+ Minor in Geology
+ Minor in Meteorology
+ Certificate in Geographic Information Systems

Graduate Offerings
+ Master of Science in Geoscience
+ Master of Science in Meteorology
+ Master of Science in Geographic Information Science
+ Doctor of Philosophy in Geoscience
+ Doctor of Philosophy in Meteorology
+ Post-Baccalaureate Certificate in Geographic Information Systems

Faculty
Karl Chauff, Ph.D.
David Crossley, Ph.D.
William Dannevik, Ph.D.
John Encarnacion, Ph.D.
Cathy Finley, Ph.D.
Jack Fishman, Ph.D.
Benjamin de Foy, Ph.D.
Charles Graves, Ph.D.
Daniel Hanes, Ph.D.

Elizabeth Hasenmueller, Ph.D.
Robert Herrmann, Ph.D.
Zaitao Pan, Ph.D.
Robert Pasken, Ph.D.
Linda Warren, Ph.D.
Valorie Wilmoth, Ph.D.
Lupei Zhu, Ph.D.

BACHELOR OF ARTS IN ENVIRONMENTAL SCIENCE

Program Highlights
The environmental science program at Saint Louis University focuses on developing a scientific understanding of Earth's natural systems and their interconnections with human society. The program represents a collaborative effort between several departments to provide a degree opportunity that bridges traditional academic boundaries. It is hosted by the department of Earth and atmospheric sciences, which provides student advising and mentoring.

Environmental science encompasses the study of Earth's environment, which is comprised of the geosphere, hydrosphere, atmosphere and biosphere, with emphasis on human interactions with these spheres. Students will learn how these spheres interact with each other in the natural world, how human activities influence the environment and how people are affected by the ever-changing environment. The environmental science program is designed so students first gain a thorough foundation of knowledge in all spheres and then focus more on one or more sub-disciplines, for example: soil, water, energy or climate change. The breadth-plus-depth structure of the program prepares students for advanced study toward M.S. or Ph.D. degrees in scientific disciplines, professional schools such as law or public health, or for immediate employment in industry or government.

The B.A. degree is appropriate for students interested in pursuing an advanced professional degree, or interested in the public policy associated with environmental science.

Curriculum Overview
The environmental science curriculum is built upon a breadth-plus-depth model that combines a comprehensive background in the natural sciences with specialized training in a chosen area of interest. All students entering the environmental science program are required to complete a core set of preparatory and skill development courses that provide a rigorous introduction to the environmental sciences.

Students then choose a specialized concentration that provides more advanced instruction in a specific discipline germane to environmental science. The concentration requirements are individually defined by the collaborative departments and are roughly equivalent to completing a minor in the specific area of interest. All students must also complete an internship
or a capstone project.

Although students in the program will take many of their upper-division classes in other departments, all students within the program have full access to departmental resources, including excellent computer and research laboratories, field- and laboratory-based research opportunities with department faculty, departmental field trips, and a strengthening relationship with internship opportunities in the St. Louis area. Opportunities for research and field experiences in biology and chemistry are also available to qualified students.

Fieldwork and Research Opportunities
Weekend field trips, canoe trips and social events are scheduled throughout the year. One perk associated with this major is the opportunity to join other faculty and students on annual, weeklong field trips across the country. Visit environmentally important sites and get to know the faculty, other students and alumni who join the trips.

Undergraduate students in the environmental science program have the option to pursue internship opportunities through the host department or in collaboration with other departments on campus. Students also have the option to participate in a capstone project designed to provide a real-world perspective as part of their undergraduate training. In addition, students may choose to participate in faculty research projects, many of which include funding specifically to support the participation of undergraduate students.

Careers
Demand for graduates with a comprehensive knowledge of natural systems and their interactions is strong and projected to increase in the face of greater public awareness of the influence of humans on the natural environment. With judicious planning, the program serves as excellent preparation for graduate degrees in medicine, the sciences, law and other disciplines where a strong background in environmental science is desirable.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (56 credits)

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1040</td>
<td>Prin. Of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4480</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1110/1120</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1120/1125</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>CMM 1200</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1010/1020</td>
<td>Earth's Dynamic. Environment I</td>
<td>4</td>
</tr>
<tr>
<td>EAS 1030/1040</td>
<td>Earth's Dynamic. Environment II</td>
<td>4</td>
</tr>
<tr>
<td>EAS 2500</td>
<td>Environmental Science Seminar*</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3100</td>
<td>Environmental issues</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 1900</td>
<td>Strategies of Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4010</td>
<td>Introduction to GIS</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1300</td>
<td>Elem. Statistics with Computers</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1310/1320</td>
<td>or 1610/1620 Physics I</td>
<td>4</td>
</tr>
<tr>
<td>PLS 3500</td>
<td>Introduction to Environmental Law</td>
<td>3</td>
</tr>
<tr>
<td>* Students enroll for this 1-credit seminar three times, preferably during consecutive semesters during their sophomore and junior years.</td>
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</tbody>
</table>

Philosophy Elective (3 credits)

<table>
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<tr>
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<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL 3420</td>
<td>Ethical Issues Concerning Climate Change</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3800</td>
<td>Science and Religion</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3850</td>
<td>Science, Technology and the Common Good</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4070</td>
<td>Reasoning: Probability and Uncertainty</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4080</td>
<td>Topics in Advanced Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4150</td>
<td>Survey of Philosophy of Science</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4170</td>
<td>Philosophy of Science</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4310</td>
<td>Environmental Ethics</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Experience (3 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 4910</td>
<td>Internship</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4950</td>
<td>Capstone Project</td>
<td>3</td>
</tr>
</tbody>
</table>

Environmental Science Concentration (14-22 credits)
Choose one or more concentration. Students may
pursue two concentrations, but must take one course listed explicitly in a third concentration (excluding Calculus I).

TOTAL CREDITS: 70-78

Atmosphere Concentration

Required Courses (22 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>EAS 1420</td>
<td>Foundations of Atmosphere Science</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2440</td>
<td>Atmosphere Prec. And Systems</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2530</td>
<td>Fund. Of Climate Systems</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3250</td>
<td>Global Change</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4030</td>
<td>Elements of Air Pollution</td>
<td>3</td>
</tr>
</tbody>
</table>

Course listed explicitly in another concentration* 3

Student interested in water issues in another concentration should consider taking course in surface water hydrology or groundwater.

Biology Concentration

Required Courses (10 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3010</td>
<td>Evolution</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 4760</td>
<td>Gen. Ecology</td>
<td>4</td>
</tr>
</tbody>
</table>

Course listed explicitly in another concentration 3

Biology Elective (4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3220</td>
<td>Invertebrates</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 3280</td>
<td>Plants and Fungi</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4100</td>
<td>Vertebrates</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4240</td>
<td>Entomology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4260</td>
<td>Amphibians and Reptiles</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4280</td>
<td>Fishes</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4310</td>
<td>Birds</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4380</td>
<td>Mammals</td>
<td>4</td>
</tr>
</tbody>
</table>

Chemistry Concentration

Required Courses (14 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 2200/2205</td>
<td>Analytical Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 2410/2415</td>
<td>Principles Organic Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 4700</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

Course listed explicitly in another concentration 3

Geoscience Concentration

Required Courses (5 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 2400</td>
<td>Field Techniques</td>
<td>2</td>
</tr>
</tbody>
</table>

Course listed explicitly in another concentration 3

Geoscience Elective (9 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 2200/2210</td>
<td>Mineralogy w/lab</td>
<td>4</td>
</tr>
<tr>
<td>EAS 3400</td>
<td>Soils</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4100</td>
<td>Surface Processes</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4250</td>
<td>Project in Environmental Science</td>
<td>1-3</td>
</tr>
<tr>
<td>EAS 4260</td>
<td>Environmental Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4280</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4360</td>
<td>Groundwater Hydrology</td>
<td>3</td>
</tr>
</tbody>
</table>

Non-Course Requirements

Competency exam in computer use will be administered once each year, should preferably be completed during a student's freshman or sophomore year.

Continuation Standards

Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related courses (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

Bachelor of Arts in Environmental Studies

Program Highlights

Environmental studies focuses on relationships between the natural environment and social, economic, political, legal and humanistic aspects of society. As global population and consumption rises, understanding the interplay between environmental and social systems has become an increasingly important component of decision-making and planning. The program helps prepare students for careers that emphasize a dual awareness of scientific and social perspectives and their relationship to the natural environment.

Curriculum Overview

The environmental studies curriculum at Saint Louis University is built upon a breadth-plus-depth model. All students entering the environmental studies program are required to complete a core set of preparatory science and skill development courses that provide a broad introduction to the environmental sciences. Students then choose a specialized concentration that provides more advanced instruction in their areas of interest to help prepare them for careers after graduation. The program has been developed through collaboration with many other departments on campus, and it provides considerable flexibility in course selection within the tracks. For most students, the program fuses an understanding of environmental science with the approximate equivalent of a self-designed minor in their specific area of interest.

Environmental studies students take a minimum of 38 credits of math and science core classes. Students then choose from one of the following concentrations:

- Philosophy, religion and ethics
- Economics, politics and public policy

Fieldwork and Research Opportunities

Weekend field trips, canoe trips and social events are scheduled throughout the year. One perk associated with this major is the opportunity to join other faculty and students on annual, weekend field trips across the country. Visit environmentally important sites and get to know the faculty, other students and alumni who join the trips.

Undergraduate students in the environmental studies program have the option to pursue internship opportunities through the department of Earth and atmospheric sciences or in collaboration with other departments on campus. Students also have the option to participate in a capstone project designed to provide a real-world perspective as part of their undergraduate training.
Careers
The environmental studies program prepares students for careers in business, law, government or wherever knowledge of scientific and social perspectives on the environment is important. Students also have the opportunity to prepare for more advanced degrees in a wide range of fields, including law, economics and public policy.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Required Courses (38-43 credits)
Physical Sciences: (8 credits)
EAS 1010/1020 Earth's Dynamic Environment I 4

EAS 1030/1040 Earth’s Dynamic Environment II 4

Chemistry Elective (3-4 credits)
CHEM 1000 Chemistry and the Environment 3
CHEM 1xxx Any chemistry course 3

Life Sciences (6-8 credits)
BIOL 1040 Principles of Biology I 4
BIOL 1080 Principles of Biology II 4
BIOL 1140 Our Living Environment 3
BIOL 1200 Ecological Issues and Society 3
BIOL 1340 The Diversity of Life 3
BIOL 4480 Conservation Biology 3

Integrative Science Courses (6 credits)
EAS 2600 Environmental Seminar 3
EAS 3100 Environmental Issues 3

Mathematics/Statistics Requirement (3-4 credits)
MATH 1200 College Algebra 3
MATH 1400 Pre-Calculus 3
MATH 1510 Calculus I 4

Mathematics/Statistics Elective (3-4 credits)
DSCI 2070 Intro: Business Statistics 3
MATH 1300 Elementary Statistics with Computers 3
MATH 1510 Calculus I 4
MATH 1520 Calculus II 4
PSY 2050 Research Methods & Statistics 3

Skill Development (6 credits)
COMM 1200 Public Speaking 3
GIT 4010 Introduction to GIS 3

Senior Experience (3 credits)
EAS 4910 Internship 3
EAS 4960 Capstone Project 3

Environmental Studies Concentration (27 credits)
First Tier Courses (15-18 credits)
One course from each of the concentrations First Tier courses
Philosophy, Religion, and Ethics Course 3
Economics, Politics, and Public Policy 3
Society and the Environment through Space and Time 3
Advocacy and Discourse 3
Natural Sciences 3

Second Tier Courses (9-12 credits)
Any Second Tier courses from a student's primary concentration. Additionally, any First Tier course in concentrations other than the primary concentration can be used to satisfy this requirement.

Students with two concentrations
Students who choose to select two major concentrations may apply a maximum of 12 credits from an individual department towards completion of both concentrations. One Second Tier course may be applied simultaneously towards the completion requirements of both major concentrations.

TOTAL CREDITS: 65-70

College Core Requirements
Many courses included in the Environmental Studies program satisfy the core requirements of the College of Arts and Sciences. Depending on the concentration of study and individual courses chosen by a student, the number of core requirements that need to be satisfied after completing the requirements of the major might vary.
Advocacy and Discourse Concentration

First Tier Courses
- SOC 2100 Journalism: News writing 3
- CM 3230 Business and Professional Writing 3
- CM 3050 Argumentation and Debate 3
- CM 3060 Political Communication 3

Second Tier Courses
- CM 3060 Argumentation and Debate 3
- CM 3200 Organizational Communication 3
- CM 3230 Business and Professional Writing 3
- CM 3060 Political Communication 3
- CM 3600 Public Relations and Practices 3
- CM 4450 Culture, Tech., and Communication 3
- CM 4640 Public Relations Case Studies 3
- CM 4850 International Public Relations 3
- ENGL 3858 Creative Writing: Prose Nonfiction 3
- ENGL 3560 Literature of the Natural World 3
- ENGL 3590 Nature and Literature 3
- PHIL 3460 Disaster Narratives 3

Economics, Politics, and Public Policy Concentration

First Tier Courses
- ECON 1800 Principles of Economics* 3
- POLS 1100 American Political System 3
- PLS 3500 Environmental Law 3
- * Required when Economics, Politics, and Public Policy is the primary concentration.

Second Tier Courses
- CM 3060 Political Communication 3
- CM 4850 International Public Relations 3
- ECON 314 Intermediate Microeconomics 3
- POLS 3200 International Political Economy 3
- POLS 3310 Introduction to Administrative Law 3
- POLS 3570 Third World Development 3
- POLS 3800 Problems of Globalization 3
- POLS 3840 International Law 3
- POLS 4730 Seminar: Contemp. Political Ideologies 3

Natural Sciences Concentration

First Tier Courses
- EAS 1800 Sustainable Energy 3
- EAS 3250 Global Change* 3
- BIOL 1140 Our Living Environment 3
- BIOL 1200 Ecological Issues and Society 3
- BIOL 1340 The Diversity of Life 3
- BIOL 3450 Economic Botany 3
- BIOL 1640 Microbes, History, and Society 3
- BIOL 1740 Plants of Cultural Diversity 3
- * Required when Natural Sciences is the primary concentration.

Second Tier Courses
- Any BIOL, CHEM, and EAS courses included in the Environmental Science program concentrations are accepted in this concentration. (Note that many upper-division science courses have BIOL 1040 and 1080, CHEM 1110 to 1125, and/or MATH 1510 as pre-requisites.)

Philosophy, Religion, and Ethics Concentration

First Tier Courses
- PHIL 3420 Environ. and Ecol. Ethics 3
- THEO 2820 Religion and Science* 3
- THEO 3510 Faith and Politics 3
- THEO 3525 Green Discipleship 3
- * Required when Philosophy, Religion, and Ethics is the primary concentration.

Second Tier Courses
- BIOL 2580 Evolution and Christian Theology 3
- PHIL 4070 Probability & Uncertainty 3
- PHIL 4150 Philosophy of Physical Sciences 3
- SOC 2200 Cultural Anthropology 3
- SOC 2210 Biol. Anthropology 3
- SOC 3510 Faith and Politics 3
- THEO 4930 Theology of Nature 3

Society and the Environment through Space and Time Concentration

First Tier Courses
- SOC 1180 World Geography* 3
- SOC 2200 Cultural Anthro. (SOC 120 waived) 3
- SOC 3270 Environmental Anthropology 3
- HIST 3680 North American Environmental History 3
- * Required when Society and the Environment through Space and Time is the primary concentration.

Second Tier Courses
- EAS 3250 Global Change 3
- GIS 4020 Intermediate GIS 3
- POLS 3570 Third World Development 3
- POLS 3800 Problems of Globalization 3
- POLS 3840 International Law 3
- POLS 4820 Seminar: International Organization 3
- POLS 4730 Seminar: Contemp. Political Ideologies 3
- SOC 2210 Biol. Anthropology (SOC 120 waived) 3
- SOC 4840 Demography: Pop. Charact. & Trends 3

Non-Course Requirements

Competency exam in computer use will be administered once each year, should preferably be completed during a student's freshman or sophomore year.

Continuation Standards

Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related credits (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

Bachelor of Arts in Geology

Program Highlights

Geology is the study of the Earth. Volcanoes, earthquakes, floods, landslides, erosion and plate tectonics are some of the things that geologists investigate and try to understand. Geology is a field-oriented science that involves mapping and analyzing rocks, deciphering the Earth's history from the rock record, locating natural resources, identifying natural and man-made hazards, and understanding Earth’s natural processes.

Since the undergraduate geology program is relatively small compared to larger public universities, students have more opportunities to interact with faculty, get personalized attention and take advantage of opportunities inside and outside of the University. One highlight of students' education is the annual department field trip in which faculty, graduate and undergraduate students spend one week exploring a region of the country. Traveling through national parks, seeing natural systems not commonly encountered by
students and learning firsthand about the Earth and its environment is rewarding to all who participate. The department heavily subsidizes these trips so that most students can participate.

Curriculum Overview
The geology curriculum is built around areas of knowledge fundamental to understanding the Earth.

Survey courses in Earth systems are the first two courses that students take. Intermediate and upper-division courses are focused on the building blocks of Earth and the processes that build and modify the Earth's features. These courses cover the study of minerals and rocks, weathering and erosion, sediment transport and deposition, development of mountain ranges and deformation of the Earth, and the movement of tectonic plates.

Fieldwork and Research Opportunities
During the annual geology department field trip, faculty, graduate and undergraduate students spend one week exploring a region of the United States. Students travel through national parks, see natural systems and learn firsthand about the Earth and its environment. SLU's Department of Earth and Atmospheric Sciences heavily subsidizes these trips so that most students can participate.

Students in the department may have the opportunity for part-time work assisting faculty members with their research. Such jobs expose students to various aspects of science as well as provide them with some income. Other part-time jobs may also be available elsewhere in the University. The city of St. Louis provides opportunities for science-related volunteer work in places such as the Saint Louis Science Center and the Saint Louis Zoo.

Careers
A degree in the geosciences prepares students for a variety of interesting careers. Many geoscientists work in industry or for government agencies concerned with oil and natural gas exploration and production, mining, water resources, civil engineering, waste and pollution management, environmental impact assessment, conservation and land management, policy analysis and implementation education. Students in the program also acquire a solid background in critical thinking, effective communication and computer use.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

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Scholarships and Financial Aid
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Program Requirements

Required Courses (40 credits)

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<thead>
<tr>
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<td>CHEM 1110</td>
<td>Intro. To Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1115</td>
<td>Intro. To Chem. I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 1010</td>
<td>Earth Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1020</td>
<td>Earth Systems I Lab</td>
<td>1</td>
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<tr>
<td>EAS 1030</td>
<td>Earth Systems II</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1040</td>
<td>Earth Systems II Lab</td>
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<tr>
<td>EAS 2200</td>
<td>Mineralogy</td>
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<tr>
<td>EAS 2210</td>
<td>Mineralogy Lab</td>
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<tr>
<td>EAS 2400</td>
<td>Field Techniques in Geology</td>
<td>2</td>
</tr>
<tr>
<td>EAS 2420</td>
<td>Computer Apps in Earth Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4050</td>
<td>Petrology</td>
<td>3</td>
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<tr>
<td>EAS 4080</td>
<td>Petrology Lab</td>
<td>1</td>
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<tr>
<td>EAS 4100</td>
<td>Surface Processes</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4110</td>
<td>Surface Processes Lab</td>
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<tr>
<td>EAS 4300</td>
<td>Structural Geology</td>
<td>3</td>
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<td>EAS 4310</td>
<td>Structural Geology Lab</td>
<td>1</td>
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<tr>
<td>EAS 4370</td>
<td>Earth Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4500</td>
<td>Scientific Communications</td>
<td>2</td>
</tr>
<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
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</table>

Geology Elective Courses (9 credits*)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 1050</td>
<td>Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1070</td>
<td>Understanding the Weather</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1140</td>
<td>Earth History</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1170</td>
<td>Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1800</td>
<td>Intro. To Earthquakes</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2080</td>
<td>Intro. To Environ. Science</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3050</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3350</td>
<td>Surface Water Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4260</td>
<td>Environmental Geophysics</td>
<td>3</td>
</tr>
</tbody>
</table>
Global Geodynamics Program, the Center for Environmental Sciences and Quantum WeatherTM.

**Careers**
The Bachelor of Arts program emphasizes the integration of studies in meteorology with other disciplines, such as communication and computer sciences.

Graduates are employed with private meteorology firms, the National Weather service, television stations, and as University faculty.

**Admission Requirements**

**Freshman**
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

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**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EAS 4280</td>
<td>Environmental Geochemistry</td>
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<tr>
<td>EAS 4350</td>
<td>Groundwater Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4980</td>
<td>Advanced Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

* At least 6 credits must be from EAS 3xxx/4xxx courses.

### Science Elective Courses (4 credits)

- PHYS 1310/1320 Physics I and Lab
- PHYS 1810/1820 Engineering Phys. I and Lab
- BIOL 1040 Principles of Biology I
- BIOL 1060 Principles of Biology II

**TOTAL CREDITS: 53**

**Continuation Standards**
Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related credits (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

**BACHELOR OF ARTS IN METEOROLOGY**

**Program Highlights**
Meteorology is more than just the study of weather; it includes all the characteristics, structures and processes of the atmosphere. Basic principles of physics and chemistry are applied to discover what makes the atmosphere work. Mathematical equations and techniques are used to predict weather based on present conditions. Recently, meteorology has become increasingly vital to humankind's concerns. Ozone depletion and global warming have been identified as threats to human existence on earth. Meteorologists are on the front lines of the battle to learn more about and model these phenomena.

**Curriculum Overview**
The meteorology curriculum at Saint Louis University emphasizes both theory and practical application in fundamental and innovative aspects of the atmospheric sciences. Since class sizes are relatively small, an effective relationship develops between the student and the instructor. This personalized teaching mode stimulates academic interest and professional dedication among students. This is further strengthened by the Jesuit tradition of education.

**Fieldwork and Research Opportunities**
Students in the meteorology program at Saint Louis University can take advantage of the National Weather Service (NWS) Forecast Office, which is located near the University and regularly accepts SLU students for internships. Classes often take field trips to the office to experience NWS operations. There are four commercial TV stations in the St. Louis area that regularly feature weather reports. Internships are also available with these stations. Students can earn six credits through an internship.

Research centers include the Earthquake Center, the Cooperative Institute for Precipitation Systems, the...
Required Courses (47 credits)

- EAS 1420 Foundation of Atmos. Science 3
- EAS 2120 Meteorological Analysis 3
- EAS 2440 Atmos. Processes and Systems 3
- EAS 2530 Fundamentals of Climate Systems 3
- EAS 3330 Physical Meteorology I 3
- EAS 4150 Instrumentation/Remote Sensing 3
- EAS 4200 Synoptic Meteorology I 3
- EAS 4220 Synoptic Meteorology II 3
- EAS 4440 Principles of Dynamic Meteorology I 3
- PHYS 1310/1320 Eng. Physics I and Lab 4
- PHYS 1330/1340 Eng. Physics II and Lab 4
- MATH 1510 Calculus I 4
- MATH 1520 Calculus II 4
- MATH 2530 Calculus III 4

Computer Science Requirement (3 credits)

- CSCI 1050 Introduction to Object-Oriented Programming 3

Major Elective Courses (9 credits)

- EAS 4220 Synoptic Meteorology II 3
- EAS 4470 Elem. Tropical Meteorology 3
- EAS 4500 Scientific Communications 3
- EAS 4650 Weather Forecasting 3
- EAS 4680 Mesoanalysis Severe Storms 3
- EAS 4800 SLU TV Practicum 3
- EAS 4920 Internship 1-3
- EAS 4980 Internship 1-3
- CHEM 1110 Intro. Chemistry I 3
- GIS 4010 Introduction to GIS 3

TOTAL CREDITS: 59

Continuation Standards

Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related credits (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

Bachelor of Science in Environmental Science

Program Highlights

The environmental science program at Saint Louis University focuses on developing a scientific understanding of Earth’s natural systems and their interconnections with human society. The program represents a collaborative effort between several departments to provide a degree opportunity that bridges traditional academic boundaries. It is hosted by the department of Earth and atmospheric sciences, which provides student advising and mentoring.

Environmental science encompasses the study of Earth’s environment, which is comprised of the geosphere, hydrosphere, atmosphere and biosphere, with emphasis on human interactions with these spheres. Students will learn how these spheres interact with each other in the natural world, how human activities influence the environment and how people are affected by the ever-changing environment. The environmental science program is designed so students first gain a thorough foundation of knowledge in all spheres and then focus more on one or more sub-disciplines, for example: soil, water, energy or climate change. The breadth-plus-depth structure of the program prepares students for advanced study toward M.S. or Ph.D. degrees in scientific disciplines, professional schools such as law or public health, or for immediate employment in industry or government.

Students majoring in the B.S. program are required to take 14 more credits of science and math than students in the B.A. program. Students interested in pursuing graduate school in environmental science or working as environmental scientists are encouraged to pursue the B.S. degree.

Curriculum Overview

The environmental science curriculum is built upon a breadth-plus-depth model that combines a comprehensive background in the natural sciences with specialized training in a chosen area of interest. All students entering the environmental science program are required to complete a core set of preparatory and skill development courses that provide a rigorous introduction to the environmental sciences.

Students then choose a specialized track that provides more advanced instruction in a specific discipline germane to environmental science. The track requirements are individually defined by the collaborative departments and are roughly equivalent to completing a minor in the specific area of interest. All students must also complete an internship or a capstone project.

Although students in the program will take many of their upper-division classes in other departments, all students within the program have full access to departmental resources, including excellent computer and research laboratories, field- and laboratory-based research opportunities with department faculty, departmental field trips, and a strengthening relationship with internship opportunities in the St. Louis area. Opportunities for research and field experiences in biology and chemistry are also available to qualified students.

Fieldwork and Research Opportunities

Weekend field trips, canoe trips and social events are scheduled throughout the year. One perk associated with this major is the opportunity to join other faculty and students on annual, weeklong field trips across the country. Visit environmentally important sites and get to know the faculty, other students and alumni who join the trips.
Undergraduate students in the environmental science program have the option to pursue internship opportunities through the host department or in collaboration with other departments on campus. Students also have the option to participate in a capstone project designed to provide a real-world perspective as part of their undergraduate training. In addition, students may choose to participate in faculty research projects, many of which include funding specifically to support the participation of undergraduate students.

### Careers

Demand for graduates with a comprehensive knowledge of natural systems and their interactions is strong and projected to increase in the face of greater public awareness of the influence of humans on the natural environment. With judicious planning, the program serves as excellent preparation for graduate degrees in medicine, the sciences, law and other disciplines where a strong background in environmental science is desirable.

### Admission Requirements

#### Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory coursework is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

### Transfer

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

### Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

### Program Requirements

#### Required Courses (64 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1040</td>
<td>Prin. Of Biology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 1060</td>
<td>Prin. Of Biology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 4480</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1110</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 1120</td>
<td>General Chemistry II</td>
<td>4</td>
</tr>
<tr>
<td>EAS 1010</td>
<td>Earth's Dynamic. Environment I</td>
<td>4</td>
</tr>
<tr>
<td>EAS 1030</td>
<td>Earth's Dynamic Environment II</td>
<td>4</td>
</tr>
<tr>
<td>EAS 2800</td>
<td>Environmental Science Seminar*</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3100</td>
<td>Environmental Issues</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 2310</td>
<td>Introduction to Physics I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1300</td>
<td>Elem. Statistics with Computers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>ENGL 1900</td>
<td>Strategies of Rhetoric</td>
<td>3</td>
</tr>
<tr>
<td>CMM 1200</td>
<td>Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>GIS 4010</td>
<td>Introduction to GIS</td>
<td>3</td>
</tr>
<tr>
<td>PLS 3500</td>
<td>Introduction to Environmental Law</td>
<td>3</td>
</tr>
</tbody>
</table>

*Students enroll for this 1-credit seminar three times, preferably during consecutive semesters during their sophomore and junior years.

#### Philosophy Elective (3 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3420</td>
<td>Ethical Issues Concerning Climate Change</td>
</tr>
<tr>
<td>PHIL 3800</td>
<td>Science and Religion</td>
</tr>
<tr>
<td>PHIL 3850</td>
<td>Science, Technology and the Common Good</td>
</tr>
<tr>
<td>PHIL 4070</td>
<td>Reasoning: Probability and Uncertainty</td>
</tr>
<tr>
<td>PHIL 4090</td>
<td>Topics in Advanced Logic</td>
</tr>
<tr>
<td>PHIL 4150</td>
<td>Survey of Philosophy of Science</td>
</tr>
<tr>
<td>PHIL 4170</td>
<td>Philosophy of Science</td>
</tr>
<tr>
<td>PHIL 4310</td>
<td>Environmental Ethics</td>
</tr>
</tbody>
</table>

#### Senior Experience (3 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 4910</td>
<td>Internship</td>
</tr>
<tr>
<td>EAS 4980</td>
<td>Capstone Project</td>
</tr>
</tbody>
</table>

#### Environmental Science Concentration (18-21 credits)

Choose one or more concentration. Students may pursue two concentrations, but must take one course listed explicitly in a third concentration (excluding Calculus I).

**TOTAL CREDITS: 82-85**

### Atmosphere Concentration

#### Required Courses (21 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 1420</td>
<td>Foundations of Atmosphere Science</td>
</tr>
<tr>
<td>EAS 2440</td>
<td>Air Quality and Systems</td>
</tr>
<tr>
<td>EAS 2530</td>
<td>Fund. Of Climate Systems</td>
</tr>
<tr>
<td>EAS 3250</td>
<td>Global Change</td>
</tr>
<tr>
<td>EAS 3xxx/4xxx</td>
<td>Atmospheric Science elective</td>
</tr>
<tr>
<td>EAS 4030</td>
<td>Elements of Air Pollution</td>
</tr>
</tbody>
</table>

*Course listed explicitly in another concentration*

*Students interested in water resource issues should consider taking a course in surface water hydrology or groundwater. Students interested in air pollution issues should take EAS-2110 concurrently with EAS-2440.

### Biology Concentration

#### Required Courses (18 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 3010</td>
<td>Evolution</td>
</tr>
<tr>
<td>BIOL 4750</td>
<td>Gen. Ecology</td>
</tr>
</tbody>
</table>
Saint Louis University Academic Catalog

BIOL 3xx/4xxx BIOL elective 6
Course listed explicitly in another concentration 3

Biology Elective (4 credits)
BIOL 3220 Invertebrates 4
BIOL 3260 Plants and Fungi 4
BIOL 4100 Vertebrates 4
BIOL 4240 Entomology 4
BIOL 4260 Amphibians and Reptiles 4
BIOL 4280 Fishes 4
BIOL 4310 Birds 4
BIOL 4360 Mammals 4

Chemistry Concentration

Required Courses (18 credits)
CHEM 2200/2205 Analytical Chemistry I 4
CHEM 2410/2415 Principles Organic Chemistry I 4
CHEM 4200/4205 Analytical II 4
CHEM 4700 Environmental Chemistry 3
Course listed explicitly in another concentration 3

Geoscience Concentration

Required Courses (15 credits)
EAS 2400 Field Techniques 2
EAS 3400 Soils 3
EAS 4100/4110 Surface Processes 4
EAS 4350 Groundwater Hydrology 3
Course listed explicitly in another concentration 3

Geoscience Elective (6 credits)
EAS 2200/2210 Mineralogy w/lab 4
EAS 3400 Soils 3
EAS 4100 Surface Processes 4
EAS 4250 Project in Environmental Science 1-3
EAS 4260 Environmental Geophysics 3
EAS 4280 Environmental Geochemistry 3
EAS 4350 Groundwater Hydrology 3

Non-Course Requirements
Competency exam in computer use will be administered once each year, should preferably be completed during a student's freshman or sophomore year.

Continuation Standards
Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related credits (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year, they will not be allowed to continue in the program.

BACHELOR OF SCIENCE IN GEOLOGY

Program Highlights
Geology is the study of the Earth. Volcanoes, earthquakes, floods, landslides, erosion and plate tectonics are some of the things that geologists investigate and try to understand. Geology is a field-oriented science that involves mapping and analyzing rocks, deciphering the Earth's history from the rock record, locating natural resources, identifying natural and man-made hazards, and understanding Earth's natural processes.

The B.S. degree places a stronger emphasis on chemistry, physics, calculus and fieldwork. It is more appropriate for students who intend to go on to graduate school or become a professional geologist.

Since the undergraduate geology program is relatively small compared to larger public universities, students have more opportunities to interact with faculty, get personalized attention, and take advantage of opportunities inside and outside of the University. One highlight of students' education is the annual department field trip in which faculty, graduate and undergraduate students spend one week exploring a region of the country. Traveling through national parks, seeing natural systems not commonly encountered by students and learning firsthand about the Earth and its environment is rewarding to all who participate. The department heavily subsidizes these trips so that most students can participate.

Curriculum Overview
The geology curriculum is built around areas of knowledge fundamental to understanding the Earth.

Survey courses in Earth systems are the first two courses that students take. Intermediate and upper-division courses are focused on the building blocks of Earth and the processes that build and modify the Earth's features. These courses cover the study of minerals and rocks, weathering and erosion, sediment transport and deposition, development of mountain ranges and deformation of the Earth, and the movement of tectonic plates.

Students enrolled in the Bachelor of Science program also enroll in a six-week summer camp during which they learn to work in the field.

Fieldwork and Research Opportunities
During the annual geology department field trip, faculty, graduate and undergraduate students spend one week exploring a region of the United States. Students travel through national parks, see natural systems and learn firsthand about the Earth and its environment. SLU's Department of Earth and Atmospheric Sciences heavily subsidizes these trips so that most students can participate.

Students in the department may have the opportunity for part-time work assisting faculty members with their research. Such jobs expose students to various aspects of science as well as provide them with some income. Other part-time jobs may also be available elsewhere in the University. The city of St. Louis provides opportunities for science-related volunteer work in places such as the Saint Louis Science Center and the Saint Louis Zoo.

Careers
A degree in the geosciences prepares students for a variety of interesting careers. Many geoscientists work in industry or for government agencies concerned with oil and natural gas exploration and production, mining, water resources, civil engineering, waste and pollution management, environmental impact assessment,
conservation and land management, policy analysis and implementation education. Students in the program also acquire a solid background in critical thinking, effective communication and computer use.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

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Program Requirements

Required Courses (54 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1110</td>
<td>Intro. To Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1115</td>
<td>Intro. To Chem. I Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 1120</td>
<td>Intro. To Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1125</td>
<td>Intro. To Chemistry II Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 1010</td>
<td>Earth Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1020</td>
<td>Earth Systems I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 1030</td>
<td>Earth Systems II</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1040</td>
<td>Earth Systems II Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 2200</td>
<td>Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2210</td>
<td>Mineralogy Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 2400</td>
<td>Field Techniques in Geology</td>
<td>2</td>
</tr>
<tr>
<td>EAS 2420</td>
<td>Computer Apps in Earth Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4050</td>
<td>Petrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4060</td>
<td>Petrology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4100</td>
<td>Surface Processes</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4110</td>
<td>Surface Processes Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4300</td>
<td>Structural Geology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4310</td>
<td>Structural Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4370</td>
<td>Earth Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4500</td>
<td>Scientific Communications</td>
<td>2</td>
</tr>
<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1520</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

Geology Elective Courses (12 credits*)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3330</td>
<td>Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1140</td>
<td>Earth History</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3050</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3350</td>
<td>Surface Water Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4280</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4350</td>
<td>Groundwater Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4980</td>
<td>Advanced Independent Study</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5xxx</td>
<td>Graduate Level Geol. Course</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Calculus III</td>
<td>3</td>
</tr>
</tbody>
</table>

*At least 8 credits must be from EAS 3xxx/4xxx courses.

Science Elective Courses (4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1310/1320</td>
<td>Physics I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1610/1620</td>
<td>Engineering Phys. I and Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 70

Continuation Standards

Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related credits (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

Bachelor of Science in Geophysics

Program Highlights

Geoscience is the study of the Earth and includes the fields of geology, geophysics and environmental science. Volcanoes, earthquakes, floods, landslides and plate tectonics are some of the things that geoscientists investigate and try to understand.

Geophysics is a more quantitative and instrument-oriented discipline that investigates the Earth's internal structure and processes by studying seismic waves and variations in the planet's magnetic and gravitational fields as well as its rotation.

Students have access to the Saint Louis University Earthquake Center. The Earthquake Center is part of both a regional network that monitors the New Madrid seismic zone and a global network to monitor seismicity around the world. SLU is also home to the Global Geodynamics Project, which records the Earth's gravity field at a number of worldwide stations and maintains standards for the deployment of all superconducting gravimeters.
Curriculum Overview
Students in the geophysics program are given a firm foundation in solid Earth science taking courses in mineralogy, petrology (the study of rocks) and structural geology. Upper level geophysics courses, with an emphasis on seismology, build on this foundation and ensure students are well prepared for graduate school or work in industry.

Fieldwork and Research Opportunities
Students in the department may have the opportunity for part-time work assisting faculty members with their research. Such jobs expose students to various aspects of science as well as provide them with some income. Other part-time jobs may also be available elsewhere in the University. The city of St. Louis provides opportunities for science-related volunteer work in places such as the Saint Louis Science Center and the Saint Louis Zoo.

Careers
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Freshman
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Program Requirements

<table>
<thead>
<tr>
<th>Required Courses (51 credits)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 1010 Earth Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1020 Earth Systems I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 2200 Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2210 Mineralogy Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4050 Petrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4060 Petrology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4300 Structural Geology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4310 Structural Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4510 Prin. Seismic Exploration</td>
<td>2</td>
</tr>
<tr>
<td>EAS 4520 Prin. Seismic Exploration Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4550 Prin. Grav. &amp; Magnetic Exploration</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4600 Intro. To Physics of Solid Earth</td>
<td>3</td>
</tr>
<tr>
<td>PHYS 1610/1620 Engineering Physics I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1630/1640 Engineering Physics II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 3110 Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 1510 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1520 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530 Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>MATH 3550 Differential Equations</td>
<td>3</td>
</tr>
</tbody>
</table>

Additional Requirement for the Applied Option

| EAS 4530 Prin. Of Electrical Exploration | 3 |

TOTAL CREDITS: 51-54

Continuation Standards
Students must have a minimum of a 2.0 GPA in their major courses (EAS) and required related credits (Biology, Chemistry, Mathematics and Computer Sciences, Physics, etc.) by the conclusion of their freshman year. Students that fall below a 2.0 GPA will be placed on probation. If a student fails to obtain at least a 2.0 GPA in their major courses and required related credits by the conclusion of their sophomore year they will not be allowed to continue in the program.

Bachelor of Science in Meteorology

Program Highlights
Meteorology is more than just the study of weather; it includes all the characteristics, structures and processes of the atmosphere. Basic principles of physics and chemistry are applied to discover what makes the atmosphere work. Mathematical equations and techniques are used to predict weather based on present conditions. Recently, meteorology has become

...
increasingly vital to humankind's concerns. Ozone depletion and global warming have been identified as threats to human existence on earth. Meteorologists are on the front lines of the battle to learn more about and model these phenomena.

Curriculum Overview
The meteorology curriculum at Saint Louis University emphasizes both theory and practical application in fundamental and innovative aspects of the atmospheric sciences. Since class sizes are relatively small, an effective relationship develops between the student and the instructor. This personalized teaching mode stimulates academic interest and professional dedication among students. This is further strengthened by the Jesuit tradition of education.

Fieldwork and Research Opportunities
Students in the meteorology program at Saint Louis University can take advantage of the National Weather Service (NWS) Forecast Office, which is located near the University and regularly accepts SLU students for internships. Classes often take field trips to the office to experience NWS operations. There are four commercial TV stations in the St. Louis area that regularly feature weather reports. Internships are also available with these stations. Students can earn six credits through an internship.

Research centers include the Earthquake Center, the Cooperative Institute for Precipitation Systems, the Global Geodynamics Program, the Center for Environmental Sciences and Quantum WeatherTM.

Careers
The Bachelor of Science program places more emphasis on professional recognition, admission to graduate schools and employment with the National Weather Service.

The American Meteorological Society readily accepts B.S. degree holders as members.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (62 credits)
CHEM 1110 Intro. Chemistry I (lecture only) 3
CHEM 1130 Lab for Chemistry I 1
CSCI 1080 Scientific Programming 3
EAS 1420 Foundation of Atmos. Science 3
EAS 2110 Meteorological Analysis 3
EAS 2440 Atmo. Processes and Systems 3
EAS 2530 Fundamentals of Climate Systems 3
EAS 3330 Physical Meteorology I 3
EAS 3340 Physical Meteorology II 3
EAS 4130 Instrumentation/Remote Sensing 3
EAS 4200 Synoptic Meteorology I 3
EAS 4202 Synoptic Meteorology II 3
EAS 4440 Principles of Dynamic Meteorology I 3
EAS 4450 Principles of Dynamic Meteorology II 3
PHYS 1810/1820 Eng. Physics I and Lab 4
PHYS 1830/1840 Eng. Physics II and Lab 4
MATH 1510 Calculus I 4
MATH 1520 Calculus II 4
MATH 2530 Calculus III 4
MATH 3550 Differential Equations 3

Mathematics/Statistics Requirement (3 credit)
STAT 1300 Elementary Statistics with Computers 3
MATH 1660 Discrete Mathematics 3
MATH 3110 Linear Algebra for Engineers 3
MATH 3120 Intro. Linear Algebra 3
MATH 3240 Numerical Analysis 3
MATH 3270 Adv. Math for Engineers 3
MATH 4880 Prob. & Statistics for Engineers 3
MATH 4910 Intro. Complex Variables 3
MATH 4550 Nonlinear Dynamics & Chaos 3
MATH 4570 Partial Differential Equations 3

Major Elective Courses (9 credits)
EAS 1050 Oceangraphy 3
EAS 3150 Broadcast Meteorology I 3
EAS 3160 Broadcast Meteorology II 3
EAS 3250 Global Change 3
EAS 3340 Physical Meteorology II 3
EAS 3350 Surface Water Hydrology 3
EAS 3500 Numerical Modeling Applications 3
EAS 3700 Mesoanalysis Severe Storms 3
**Minor in Environmental Science**

**Program Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 1010</td>
<td>Earth Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1020</td>
<td>Earth Systems I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 1030</td>
<td>Earth Systems II</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1040</td>
<td>Earth Systems II Lab</td>
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<tr>
<td>EAS 2080</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2400</td>
<td>Field Techniques in Geology</td>
<td>2</td>
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</tbody>
</table>

**Minor Elective Courses (7-9 credits)**

<table>
<thead>
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<tbody>
<tr>
<td>EAS 2420</td>
<td>Computer Applications in Earth Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS 3050</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 3360</td>
<td>Surface Water Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4280</td>
<td>Environmental Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4280</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4350</td>
<td>Groundwater Hydrology</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 20-22**

**Continuation Standards**

Students with a minor in EAS must maintain a 2.0 GPA in their minor coursework.

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**Minor in Chemistry**

**Program Requirements**

<table>
<thead>
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<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 1010</td>
<td>Earth Systems I</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1020</td>
<td>Earth Systems I Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 1030</td>
<td>Earth Systems II</td>
<td>3</td>
</tr>
<tr>
<td>EAS 1040</td>
<td>Earth Systems II Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 2200</td>
<td>Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2210</td>
<td>Mineralogy Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS 2400</td>
<td>Field Techniques in Geology</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits: 13 credits**

**Minor Elective Courses (6-8 credits)**

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS 1140</td>
<td>Earth History</td>
<td>3</td>
</tr>
<tr>
<td>EAS 2420</td>
<td>Computer Applications in Earth Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS 4050</td>
<td>Petroleum Analysis</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4060</td>
<td>Petroleum Lab</td>
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<tr>
<td>EAS 4100</td>
<td>Surface Processes</td>
<td>3</td>
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<tr>
<td>EAS 4110</td>
<td>Surface Processes Lab</td>
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</tr>
<tr>
<td>EAS 4300</td>
<td>Structural Geology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 4370</td>
<td>Earth Dynamics</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits: 20-22**

**Continuation Standards**

Students with a minor in EAS must maintain a 2.0 GPA in their minor coursework.

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**Certificate in Geographic Information Systems**

**Program Highlights**

The undergraduate certificate program in Geographic Information Systems (GIS) focuses on current issues, including environmental quality, climate change, sustainability of natural and nonrenewable resources, and the impact of human activities on the environment.

+ a focus on advanced remote sensing, GIS, and geospatial methods
+ use of the latest image processing techniques
+ coverage of diverse applications in various disciplines
+ training with industry-leading hardware and software systems (ArcGIS, ENVI+IDL, SARscape) and Open source platforms (e.g., QGIS, Boundless Desktop)
+ late afternoon or evening classes that accommodate working professionals
+ instructors with advanced degrees who work and conduct research in the field
+ state-of-the-art research labs equipped with modern computing, commercial and open source software tools, various remote sensing sensors, and manned and unmanned aircrafts.

Curriculum Overview
The GIS certificate is an 18-credit program that students can pursue on a full- or part-time basis, usually completing the certificate in less than two years.

Courses cover the latest image processing techniques for optical, thermal, RADAR, LiDAR remote sensing. Student will also explore geospatial methods and principles of spatial analysis, database design, cartographic representation, machine learning, computer vision, management and data-mining with integration of GIS, remote sensing and GPS.

Theory and lectures are supplemented with hands-on projects involving risk assessment and mitigation, environmental modeling, resources exploration, sustainable development, natural resource management and transportation, subterranean mapping, and forest fire management.

Careers
Graduates have a very good employment outlook. According to the Geospatial Information and Technology Association, employment in this field is growing at an annual rate of almost 35 percent, with the commercial subsection of the market expanding by 100 percent each year.

Recent graduates from this program have been employed by various environmental, remote sensing and GIS companies, including Monsanto, the National Geospatial-Intelligence Agency and U.S. Geological Survey (USGS).

Admission Requirements
Minimum GPA: 3.0

Students already enrolled in any undergraduate program at Saint Louis University do not need to reapply and should submit an Application for Major.

Other applicants must submit the following:
+ GIS Certificate Enrollment Application
+ Résumé
+ Professional goal statement (500 to 800 words)

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9 credits)
- GIS 4010 Introduction to GIS* 3
- GIS 4020 Intermediate GIS 3
- GIS 4040 Introduction to Remote Sensing 3

* Students with previous GIS experience or coursework may be allowed to take an advanced elective in place of the required introduction to GIS course.

Elective Courses (9 credits)
- GIS 4080 Digital Cartography and Geovisualization 3
- GIS 4090 Programming for Remote Sensing 3
- GIS 4100 Microwave Remote Sensing: SAR Principles, Data Processing and Applications 3
- GIS 4110 Interferometric Synthetic Aperture Radar 3
- SOC 4670 Spatial Demography: Applied Statistics for Spatial Data 3
- BIOL 4180 GIS in Biology 3

TOTAL CREDITS: 18

Continuation Standards
Students must have a minimum of a 2.0 GPA in all Certificate courses.

Master of Science in Geoscience

Program Highlights
The geology research facilities include a network of seismograph stations surrounding the New Madrid fault zone, state-of-the-art seismic observatories that transmit data by satellite from sites distributed across a broad region of the central United States; excellent computing facilities consisting of LINUX, Solaris, MAC and PC workstations; rock preparation and mineral separation facilities; a stable isotope geochemistry lab; a remote sensing lab; and a digital image analysis lab.

Extensive research is conducted at the Earthquake Center and the Seismic Analysis and Remote Sensing Laboratories.

Curriculum Overview
The non-thesis option requires 30 credits to complete; the thesis option requires 24 credits to complete, plus 6 thesis credits.

Three concentrations are available:
+ Geology
+ Geophysics
+ Environmental Geoscience
Fieldwork and Research Opportunities
Active research areas in geophysics include earthquake seismology, tectonics, those in geology include tectonics, remote sensing, sedimentary geology and sedimentation, igneous and metamorphic petrology, geochemistry, geochronology, geomorphology and fluid-rock interaction, while those in environmental geosciences include river/reservoir sustainability, land use effects on water quality, contaminant transport, wetland biogeochemistry, hydro-geochemistry, fluvial geomorphology, coastal geomorphology and processes.

Careers
The M.S. program prepares students for careers in private industry and government agencies or for further advanced studies.

After graduating, alumni might pursue a career as an earthquake hazard analyst, environmental consultant or an exploration geophysicist.

Admission Requirements
Successful applicants possess sufficient test scores, a sufficient GPA and sufficient TOEFL scores (for international students).

Geology Concentration
Prerequisites include mineralogy, petrology, sedimentology and structural geology. One year each of calculus, physics and chemistry is desirable.

Geophysics Concentration
Prerequisites include structural geology, college physics, mechanics and mathematics through differential equations.

Environmental Geosciences Concentration
Prerequisites for Master's degree: an undergraduate degree in a STEM discipline with at least one semester of calculus, physics, biology, chemistry, and geoscience; a second semester of calculus or one semester of statistics.

Application Requirements
+ Application form and fee
+ Three letters of recommendation
+ Transcript(s)
+ Professional goal statement
+ GRE scores
+ Résumé

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application and Assistantship Application Deadlines
Students who want to be considered for an assistantship must submit their applications by Feb. 1. U.S. students should apply for the fall semester by July 1 and for the spring semester by Nov. 1. International students should apply for the fall semester by May 1 and for the spring semester by Oct. 1.

Review Process
Faculty committee members examine qualified applicants' materials and make recommendations.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Required Courses (4 credits)
EAS 4500 Scientific Communications 3
EAS 5900 Geoscience Journal Club 1

Elective Course (3 credits)
EAS 5180 Seminar in Geosciences 3
EAS 5900 Seminar in Geophysics 3

Concentration Elective Courses (23-24 credits)
Thesis Option
Concentration Electives 17-18
EAS 5990 Thesis Research 6

Non-Thesis Option
Concentration Electives 23-24

TOTAL CREDITS: 30-31

Geology Concentration
Concentration Requirements (3 credits)
EAS 5080 Physics of the Solid Earth 3

Concentration Electives (3 credits)
EAS 5170 Divergent and Convergent Margins 3
EAS 5180 Transform margins and Plate Interiors 3

Concentration Elective Courses (17-18* credits)
* The non-thesis option requires 17-18 credits of Electives; the thesis option requires 11-12 credits plus 6 credits of thesis research.
EAS 5040 Potential Theory 3
EAS 5070 Advanced Coastal Processes and Morphology 3
EAS 5080 Dynamics of the Atmosphere 3
EAS 5090 Physics of the Atmosphere 3
EAS 5110 Computing in Atmospheric Science 2-3
EAS 5120 Time Series Analysis in Geophysics 3
EAS 5150 Properties of Earth Materials 3
EAS 5170 Divergent and Convergent Margins 3
EAS 5180 Transform Margins and Plate Interiors 3
EAS 5190 Seminar in Geoscience 2
EAS 5200 Numerical Methods of Prediction 3
EAS 5220 Geophysical Data Processing 3
Geophysics Concentration

The Master of Science (Thesis) in Geoscience with Geophysics concentration requires a minimum of 24 credits plus a written thesis of 6 credits. The Master of Science in Geosciences (non-Thesis) with a Geophysics concentration, coursework option, requires a minimum of 30 credits and independent study.

Concentration Requirements (3 credits)
EAS 5060 Physics of the Solid Earth 3

Concentration Choice #1 (3 credits)
EAS 5170 Divergent and Convergent Margins 3
EAS 5180 Transform margins and Plate interiors 3

Concentration Choice #2 (6 credits)
EAS 5040 Potential Theory 3
EAS 5400 Continuum Mechanics in Wave Propagation 3
EAS 5510/5520 Seismic Exploration Methods with Lab 3

Concentration Elective Courses (11-12 credits)
* The non-thesis option requires 11-12 credits of Electives; the thesis option requires 5-6 credits plus 6 credits of thesis research.
EAS 5040 Potential Theory 3
EAS 5070 Advanced Coastal Processes and Morphology 3
EAS 5080 Dynamics of the Atmosphere 3
EAS 5090 Physics of the Atmosphere 3
EAS 5110 Computing in Atmospheric Science 2-3
EAS 5120 Time Series Analysis in Geophysics 3
EAS 5150 Properties of Earth Materials 3
EAS 5170 Divergent and Convergent Margins 3
EAS 5180 Transform Margins and Plate interiors 3
EAS 5330 Seminar in Geology 2
EAS 5340 Cloud Physics 3
EAS 5350 Principles of Radiative Transfer 3
EAS 5380 Statistical Methods in Meteorology 3
EAS 5390 Seminar in Seismology 2
EAS 5400 Continuum Mechanics in Wave Propagation 3
EAS 5420 Advanced Structural Geology 2
EAS 5430 Isotope Geochemistry 2
EAS 5440 Advanced Sedimentary Geology 2
EAS 5450 Advanced Petrology 2
EAS 5460 Geodynamics 3
EAS 5470 Turbulence 3
EAS 5480 Potential and Electrical Exploration Methods 3
EAS 5490 Geophysical Data Processing 3
EAS 5510 Satellite Meteorology 3
EAS 5550 Radar Meteorology 3
EAS 5700 Convection in the Atmosphere 3
EAS 5720 Seismological Instrumentation 3
EAS 5780 Earth and Atmospheric Sciences 1-3
EAS 5880 Synoptic-Mesoscale Circulations 3
EAS 5930 Special Topics in Earth and Atmospheric Sciences 1-3
EAS 5970 Research Topics 1-3
EAS 5980 Graduate Reading Course 1-3
EAS 5990 Thesis Research 6

Environmental Geosciences Concentration

Concentration Elective Courses (23-24 credits)
* The non-thesis option requires 23-24 credits of Electives; the thesis option requires 17-18 credits plus 6 credits of thesis research.
EAS 5040 Potential Theory 3
EAS 5080 Physics of Solid Earth 3
EAS 5070 Advanced Coastal Processes and Morphology 3
EAS 5080 Dynamics of the Atmosphere 3
EAS 5090 Physics of the Atmosphere 3
EAS 5100 Computing in Atmospheric Science 2-3
EAS 5120 Time Series Analysis in Geophysics 3
EAS 5150 Properties of Earth Materials 3
EAS 5170 Divergent and Convergent Margins 3
EAS 5180 Transform Margins and Plate interiors 3
EAS 5190 Seminar in Geophysics 2
EAS 5200 Numerical Methods of Prediction 3
EAS 5220 Geophysical Data Processing 3
EAS 5230 Boundary Layer Meteorology 3
EAS 5240 Tropical Meteorology 3
EAS 5260 Synoptics and Dynamics of Jet Streams 3
EAS 5270 Meteorology of Severe Storms 3
EAS 5280 Diagnosis and Prediction of Severe Storms 3
EAS 5290 Geophysics 3
EAS 5330 Communicating in Research 2
EAS 5340 Cloud Physics 3
EAS 5350 Principles of Radiative Transfer 3
EAS 5380 Statistical Methods in Meteorology 3
EAS 5390 Seminar in Seismology 2
EAS 5400 Continuum Mechanics in Wave Propagation 3
EAS 5420 Advanced Structural Geology 2
EAS 5430 Isotope Geochemistry 2
EAS 5440 Advanced Sedimentary Geology 2
EAS 5450 Advanced Petrology 2
EAS 5460 Geodynamics 3
EAS 5470 Turbulence 3
EAS 5480 Potential and Electrical Exploration Methods 3
EAS 5490 Geophysical Data Processing 3
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EAS 5550 Radar Meteorology 3
EAS 5700 Convection in the Atmosphere 3
EAS 5720 Seismological Instrumentation 3
EAS 5780 Earth and Atmospheric Sciences 1-3
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EAS 5970 Research Topics 1-3
EAS 5980 Graduate Reading Course 1-3
EAS 5990 Thesis Research 6
Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

MASTER OF SCIENCE IN METEOROLOGY

Program Highlights
Students who graduate from the meteorology programs are trained to be meteorologists. They study the dynamics of air motion, physical processes such as transfer of radiation, and convection resulting in severe storms, flash floods and hurricanes. Research is underway at SLU on heavy precipitation, regional climate and air quality using numerical weather prediction models. Faculty collaboration with research meteorologists at national centers, as well as operational meteorologists at the St. Louis National Weather Service forecast offices.

SLU is a founding member of the University Corporation for Atmospheric Research, which manages the National Center for Atmospheric Research (NCAR), in Boulder, Colorado, under the sponsorship of the National Science Foundation and NASA's DEVELOP program.

Curriculum Overview
The Master of Science in Meteorology requires 24 credits of coursework and six credits of thesis research. It is geared to students planning to enter the doctoral program after completion, as well as those who want to work in a research capacity or enhance their qualification for forecasting positions.

Fieldwork and Research Opportunities
The Department is a charter member of the University Corporation for Atmospheric Research (UCAR) which manages the National Center for Atmospheric Research, Boulder, Colorado, under the sponsorship of the National Science Foundation. External funding for research comes from the National Oceanic and Atmospheric Administration (NOAA), the National Weather Service, and the National Aeronautics and Space Administration (NASA). The department has a dedicated synoptic computer lab and receives real-time data from both satellite downlink and the Internet.

Software for displaying and analyzing weather data comes from Unidata Program Center, the National Weather Service, and locally written code.

Careers
SLU meteorology graduates work for federal and state government agencies, such as the National Weather Service, Federal Aviation Administration, NASA and the Environmental Protection Agency. Others are employed in the private sector, conducting atmospheric and agricultural research, weather forecasting and air quality assessments.

Admission Requirements
Successful applicants possess sufficient test scores, a sufficient GPA and sufficient TOEFL scores (for international students).

An undergraduate degree in meteorology or a related field.

Application Requirements
+ Application form and fee
+ Three letters of recommendation
+ Transcript(s)
+ Professional goal statement
+ GRE scores
+ Résumé

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
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Program Requirements

Required Courses (9 credits)

<table>
<thead>
<tr>
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Dynamics of the Atmosphere</td>
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<tr>
<td>EAS 5090</td>
<td>Physics of the Atmosphere</td>
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</tr>
<tr>
<td>EAS 5300</td>
<td>Seminar in Atmospheric Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS 5330</td>
<td>Communicating in Research</td>
<td>2</td>
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</table>

Elective Courses (15 credits)

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<th>Course Title</th>
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<tbody>
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<td>EAS 5110</td>
<td>Computing in Atmospheric Science</td>
<td>2-3</td>
</tr>
<tr>
<td>EAS 5200</td>
<td>Numerical Methods of Prediction</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5220</td>
<td>Boundary Layer Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5240</td>
<td>Tropical Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5270</td>
<td>Meteorology of Severe Storms</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5280</td>
<td>Mesometeorology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5340</td>
<td>Cloud Physics</td>
<td>3</td>
</tr>
</tbody>
</table>
cartographic representation, machine learning, principles of spatial analysis, database design, Students will also explore geospatial methods and for optical, thermal, RADAR, LiDAR remote sensing.

Cou

usually completing the certificate in less than two

students can pursue on a full

The GIS certificate is an 18

Curriculum Overview

sustainability of natural and nonrenewable resources, including environmental quality, climate change, Information Systems (GI

P

Continuation Standards

Qualifying exam.

Non-Course Requirements

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

POST-BACCALAUREATE CERTIFICATE IN

Applications require two letters of recommendation from instructors with advanced degrees who work and working professionals.

Curriculum Overview

The GIS certificate is an 18-credit program that students can pursue on a full- or part-time basis, usually completing the certificate in less than two years.

Courses cover the latest image processing techniques for optical, thermal, RADAR, LiDAR remote sensing. Students will also explore geospatial methods and principles of spatial analysis, database design, cartographic representation, machine learning, computer vision, management and data-mining with integration of GIS, remote sensing and GPS.

Theory and lectures are supplemented with hands-on projects involving risk assessment and mitigation, environmental modeling, resources exploration, sustainable development, natural resource management and transportation, subterranean mapping, and forest fire management.

Careers

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Recent graduates from this program have been employed by various environmental, remote sensing and GIS companies, including Monsanto, the National Geospatial-Intelligence Agency and U.S. Geological Survey (USGS).

Admission Requirements

Minimum GPA: 3.0

Applicants with GPA below the minimum GPA will be considered on a case-by-case basis. To request an exception of the minimum GMAT, LSAT or GRE scores, submit a petition to the program director.

Students already enrolled in any graduate program at Saint Louis University do not need to reapply and should submit a Petition for Post-Baccalaureate Certificate Admission (Form No. 15). Other applicants must submit the following:

+ Official transcripts
+ One letter of recommendation
+ Résumé
+ Professional goal statement (500 to 800 words)

Requirements for International Students

+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL score (minimum: 80) or IELTS score (minimum: 6.5)
+ Applicants may be asked to schedule an online interview before final acceptance.

Application Deadlines

The final deadline for fall admittance is May 1 for international students and July 1 for domestic students.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and
complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9-12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GIS 5010</td>
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<td>GIS 5020</td>
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<td>GIS 5040</td>
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<td>GIS 5060</td>
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Elective Courses (3-6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>GIS 5070</td>
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<td>GIS 5080</td>
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<td>GIS 5090</td>
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<td>GIS 5100</td>
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<td>GIS 5110</td>
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<td>GIS 5120</td>
<td>3</td>
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<tr>
<td>BIOL 5190</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 15

Continuation Standards

Students must have a minimum of a 2.0 GPA in all Certificate courses.

DOCTOR OF PHILOSOPHY IN GEOSCIENCE

Program Highlights

The geology research facilities include a network of seismograph stations surrounding the New Madrid fault zone, state-of-the-art seismic observatories that transmit data by satellite from sites distributed across a broad region of the central United States; excellent computing facilities consisting of LINUX, Solaris, MAC and PC workstations; rock preparation and mineral separation facilities; a stable isotope geochemistry lab; a remote sensing lab; and a digital image analysis lab.

Extensive research is conducted at the Earthquake Center and the Seismic Analysis and Remote Sensing Laboratories.

Curriculum Overview

The Doctor of Philosophy in Geosciences requires a minimum of 48 credits of course work and exactly 12 credits of dissertation research. Up to 24 credits of course work leading to a Master's degree may count toward the credit requirement.

Two concentrations are available:

+ Geophysics
+ Environmental Geoscience

Fieldwork and Research Opportunities

Active research areas in geophysics include earthquake seismology, tectonics, those in geology include tectonics, remote sensing, sedimentary geology and sedimentation, igneous and metamorphic petrology, geochemistry, geochronology, geomorphology and fluid-rock interaction, while those in environmental geosciences include river/reservoir sustainability, land use effects on water quality, contaminant transport, wetland biogeochemistry, hydro-geochemistry, fluvial geomorphology, coastal geomorphology and processes.

Careers

The Ph.D. program prepares students for careers in academic research, teaching, government or industrial research environments.

After graduating, alumni might pursue a career as an earthquake hazard analyst, environmental consultant or an exploration geophysicist.

Admission Requirements

Successful applicants possess sufficient test scores, a sufficient GPA and sufficient TOEFL scores (for international students).

Geophysics Concentration

Prerequisites include structural geology, college physics, mechanics and mathematics through differential equations.

Environmental Geosciences Concentration

Prerequisites for Master's degree: an undergraduate degree in a STEM discipline with at least one semester each of calculus, physics, biology, chemistry, and geoscience; a second semester of calculus or one semester of statistics.

Application Requirements

+ Application form and fee
+ Three letters of recommendation
+ Transcript(s)
+ Professional goal statement
+ GRE scores
+ Résumé

Requirements for International Students

+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application and Assistantship Application Deadlines

Students who want to be considered for an assistantship must submit their applications by Feb. 1.

U.S. students should apply for the fall semester by July 1 and for the spring semester by Nov. 1. International students should apply for the fall semester by May 1 and for the spring semester by Oct. 1.

Review Process

Faculty committee members examine qualified applicants' materials and make recommendations.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finalaid.slu.edu.

**Program Requirements**

**Required Courses (5 credits)**
- EAS 4500 Scientific Communications 3
- EAS 5800 Geoscience Journal Club 2

**Concentration Elective Courses (31-32 credits)**

**Dissertation Research (12 credits)**
- EAS 5900 Thesis Research 12

**TOTAL CREDITS: 48-49**

### Geophysics Concentration

The Master of Science (Thesis) in Geoscience with Geophysics concentration requires a minimum of 24 credits plus a written thesis of 6 credits. The Master of Science in Geoscience (non-Thesis) with Geophysics concentration, coursework option, requires a minimum of 30 credits and independent study.

**Concentration Requirements (3 credits)**
- EAS 5080 Physics of the Solid Earth 3

**Concentration Choice #1 (3 credits)**
- EAS 5170 Divergent and Convergent Margins 3
- EAS 5180 Transform margins and Plate Interiors 3

**Concentration Choice #2 (6 credits)**
- EAS 5040 Potential Theory 3
- EAS 5070 Advanced Coastal Processes and Morphology 3
- EAS 5080 Dynamics of the Atmosphere 3
- EAS 5090 Physics of the Atmosphere 3
- EAS 5110 Computing in Atmospheric Science 2-3
- EAS 5120 Time Series Analysis in Geophysics 3
- EAS 5150 Properties of Earth Materials 3
- EAS 5170 Divergent and Convergent Margins 3
- EAS 5180 Transform margins and Plate Interiors 3
- EAS 5190 Seminar in Geoscience 2
- EAS 5200 Numerical Methods of Prediction 3
- EAS 5210 Geophysical Data Processing 3
- EAS 5220 Boundary Layer Meteorology 3
- EAS 5240 Tropical Meteorology 3
- EAS 5260 Synoptics and Dynamics of Jet Streams 3
- EAS 5270 Meteorology of Severe Storms 3
- EAS 5280 Diagnosis and Prediction of Severe Storms 3
- EAS 5290 Mesometeorology 3
- EAS 5330 Communicating in Research 2
- EAS 5340 Cloud Physics 3
- EAS 5380 Principles of Radiative Transfer 3
- EAS 5390 Statistical Methods in Meteorology 3
- EAS 5400 Geodynamics 3
- EAS 5470 Turbulence 3
- EAS 5510 Seismic Exploration Methods 2
- EAS 5520 Seismic Exploration Laboratory 1
- EAS 5540 Potential and Electrical Exploration Methods 3
- EAS 5610 Satellite Meteorology 3
- EAS 5650 Radar Meteorology 3
- EAS 5700 Convection in the Atmosphere 3
- EAS 5720 Seismological Instrumentation 3
- EAS 5750 Land-Atmosphere Interaction 3
- EAS 5800 Synoptic-Mesoscale Circulations 3
- EAS 6100 Advanced Topics in Solid Earth Geophysics 3
- EAS 6110 Advanced Seminar in Geophysics 2
- EAS 6200 Advanced Geomagnetism 3
- EAS 6210 Seminar in Atmospheric Science 1
- EAS 6310 Advanced Seismology I 3
- EAS 6350 Communicating in Research 2
- EAS 6320 Advanced Seismology II 3
- EAS 6480 General Circulation of the Atmosphere 3
- EAS 6590 Seminar in Numerical Methods of Atmospheric Sciences 3
- EAS 6981 Independent Study 1-3

**Environmental Geosciences Concentration**

**Concentration Elective Courses (31-32 credits)**
- EAS 5040 Potential Theory 3
- EAS 5050 Physics of Solid Earth 3
- EAS 5070 Advanced Coastal Processes and Morphology 3
- EAS 5080 Dynamics of the Atmosphere 3
- EAS 5090 Physics of the Atmosphere 3
- EAS 5110 Computing in Atmospheric Science 2-3
- EAS 5120 Time Series Analysis in Geophysics 3
- EAS 5150 Properties of Earth Materials 3
- EAS 5170 Divergent and Convergent Margins 3
- EAS 5180 Transform Margins and Plate Interiors 3
- EAS 5190 Seminar in Geoscience 2
- EAS 5200 Numerical Methods of Prediction 3
- EAS 5210 Geophysical Data Processing 3
- EAS 5220 Boundary Layer Meteorology 3
- EAS 5240 Tropical Meteorology 3
- EAS 5260 Synoptics and Dynamics of Jet Streams 3
- EAS 5270 Meteorology of Severe Storms 3
- EAS 5280 Diagnosis and Prediction of Severe Storms 3
- EAS 5290 Mesometeorology 3
- EAS 5330 Communicating in Research 2
- EAS 5340 Cloud Physics 3
- EAS 5380 Principles of Radiative Transfer 3
- EAS 5390 Statistical Methods in Meteorology 3
- EAS 5400 Geodynamics 3
- EAS 5470 Turbulence 3
- EAS 5510 Seismic Exploration Methods 2
- EAS 5520 Seismic Exploration Laboratory 1
- EAS 5540 Potential and Electrical Exploration Methods 3
- EAS 5610 Satellite Meteorology 3
- EAS 5650 Radar Meteorology 3
- EAS 5700 Convection in the Atmosphere 3
- EAS 5720 Seismological Instrumentation 3
- EAS 5750 Land-Atmosphere Interaction 3
- EAS 5800 Synoptic-Mesoscale Circulations 3
- EAS 6100 Advanced Topics in Solid Earth Geophysics 3
- EAS 6110 Advanced Seminar in Geophysics 2
- EAS 6200 Advanced Geomagnetism 3
- EAS 6210 Seminar in Atmospheric Science 1
- EAS 6310 Advanced Seismology I 3
- EAS 6350 Communicating in Research 2
- EAS 6320 Advanced Seismology II 3
- EAS 6480 General Circulation of the Atmosphere 3
- EAS 6590 Seminar in Numerical Methods of Atmospheric Sciences 3
- EAS 6981 Independent Study 1-3
Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

DOCTOR OF PHILOSOPHY IN METEOROLOGY

Program Highlights
Students who graduate from the meteorology programs are trained to be meteorologists. They study the dynamics of air motion, physical processes such as transfer of radiation, and convection resulting in severe storms, flash floods and hurricanes. Research is underway at SLU on heavy precipitation, regional climate and air quality using numerical weather prediction models. Faculty collaboration with research meteorologists at national centers, as well as operational meteorologists at the St. Louis National Weather Service forecast offices.

SLU is a founding member of the University Corporation for Atmospheric Research, which manages the National Center for Atmospheric Research (NCAR), in Boulder, Colorado, under the sponsorship of the National Science Foundation and NASA's DEVELOP program.

Curriculum Overview
The Doctor of Philosophy in Meteorology requires a total of 30 credits beyond the master's degree (30 credits), including 12 credits of dissertation research, are required to complete the Ph.D. program in meteorology.

The doctorate may be pursued directly from the baccalaureate with the permission of the Program Director.

Fieldwork and Research Opportunities
The Department is a charter member of the University Corporation for Atmospheric Research (UCAR) which manages the National Center for Atmospheric Research, Boulder, Colorado, under the sponsorship of the National Science Foundation. External funding for research comes from the National Oceanic and Atmospheric Administration (NOAA), the National Weather Service, and the National Aeronautics and Space Administration (NASA). The department has a dedicated synoptic computer lab and receives real-time data from both satellite downlink and the Internet.

Software for displaying and analyzing weather data comes from Unidata Program Center, the National Weather Service, and locally written code.

Careers
SLU meteorology graduates work for federal and state government agencies, such as the National Weather Service, Federal Aviation Administration, NASA and the Environmental Protection Agency. Others are employed in the private sector, conducting atmospheric and agricultural research, weather forecasting and air quality assessments.

Admission Requirements
Successful applicants possess sufficient test scores, a sufficient GPA and sufficient TOEFL scores (for international students).

An undergraduate degree in meteorology or a related field.

Application Requirements
+ Application form and fee
+ Three letters of recommendation
+ Transcript(s)
+ Professional goal statement
+ GRE scores
+ Résumé

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application and Assistantship Application
Deadlines
Students who want to be considered for an assistantship must submit their applications by Feb. 1. U.S. students should apply for the fall semester by July 1 and for the spring semester by Nov. 1. International students should apply for the fall semester by May 1 and for the spring semester by Oct. 1.

Review Process
Faculty committee members examine qualified applicants' materials and make recommendations.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
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For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9 credits)
EAS 5080 Dynamics of the Atmosphere 3
EAS 5090 Physics of the Atmosphere 3
EAS 5300 Seminar in Atmospheric Science 1
EAS 5330 Communicating in Research 2

Elective Courses (9-39 credits)
* The doctorate may be pursued directly from the baccalaureate with the permission of the Program Director.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>EAS 5110</td>
<td>Computing in Atmospheric Science</td>
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<td>EAS 5200</td>
<td>Numerical Methods of Prediction</td>
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<td>EAS 5230</td>
<td>Boundary Layer Meteorology</td>
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<td>EAS 5240</td>
<td>Tropical Meteorology</td>
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<td>EAS 5270</td>
<td>Meteorology of Severe Storms</td>
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<tr>
<td>EAS 5290</td>
<td>Mesometeorology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5340</td>
<td>Cloud Physics</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5380</td>
<td>Statistical Methods in Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5390</td>
<td>Principles of Radiation Transfer I</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5470</td>
<td>Turbulence and convection</td>
<td>3</td>
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<td>EAS 5600</td>
<td>Atmospheric Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>EAS 5610</td>
<td>Satellite Meteorology</td>
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<td>Convection in the Atmosphere</td>
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</tr>
<tr>
<td>EAS 5981</td>
<td>Independent Study</td>
<td>1-3</td>
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<td>EAS 6890</td>
<td>Research Seminar</td>
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<td>EAS 6930</td>
<td>Special Topics in Meteorology</td>
<td>1-3</td>
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<td>EAS 6970</td>
<td>Research Topics</td>
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<td>EAS 6980</td>
<td>Graduate Reading Course</td>
<td>1-3</td>
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<td>GIS 5010</td>
<td>Introduction to GIS</td>
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</table>

**Dissertation Research (12 credits)**

EAS 6990 Dissertation Research 12

**TOTAL CREDITS: 30-60**

**Non-Course Requirements**

Written and oral preliminary exam.

**Continuation Standards**

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
**ECONOMICS**

www.slu.edu/business/departments/economics.php

**LEADERSHIP**

Hailong Qian, Ph.D

Interim Chair

**OVERVIEW**

Economics is the study of how individuals, firms, and nations make choices when confronted with limited resources. Students of economics learn the principles and methods that individuals and institutions, public or private, utilize to identify the costs and benefits associated with alternative decisions. In doing so, students of economics master a structured, pragmatic approach to solving problems. They analyze microeconomic issues that are relevant to decision-making in private business and in formulating public policy. Students also consider global macroeconomic issues such as the ramifications of the changes in the international economic environment on the growth and prosperity of nations.

The knowledge and skills that the student of economics acquires are useful in almost all professions and are highly desirable for employment requiring strong analytical and problem-solving skills. Students of economics find employment in both private business and in government service or pursue graduate degrees in business, economics, law, and public policy, among other areas.

The Richard A. Chaifetz School of Business currently offers two undergraduate options in economics: a Bachelor of Science; or, in cooperation with SLU's College of Arts and Science, a Bachelor of Arts in economics.

In addition, students may complete an economics major at the Madrid, Spain campus.

Students may choose to pursue the economics minor in addition to their chosen major.

**Undergraduate Offerings**

+ Bachelor of Arts in Economics
+ Bachelor of Science in Economics
+ Minor in Economics

**Faculty**

Nazmul Ahsan, Ph.D.
Heather L. Bednarek, Ph.D.
Muhammad Q. Islam, Ph.D.
Fei Jia, Ph.D.
Hailong Qian, Ph.D.
David E. Rapach, Ph.D.
David T. Sanders, M.A.
Fei Tan, Ph.D.
Bonnie E. Wilson, Ph.D.

**BACHELOR OF ARTS IN ECONOMICS**

Program Highlights

The Economics Department offers a major through both the College of Arts and Sciences (B.A. in Economics) and the Richard A. Chaifetz School of Business (B.S. in Economics). Madrid students pursuing the B.A. in Economics may complete their degree requirements at the Madrid, Spain Campus.

**Curriculum Overview**

The Richard A. Chaifetz School of Business, with its continuing mission to provide excellence in business education, has developed a program that is one of a kind in the region. Helping students develop strong ethical, technical and professional skills, the program provides in-depth knowledge and expertise in economics.

**Fieldwork and Research Opportunities**

Saint Louis' urban location provides many internship opportunities, which allow students to gain career-related work experience while applying classroom learning to practice. Most are paid, and students may earn academic credit. Supervised by both a representative from the organization and a faculty mentor, students have interned with entities such as financial institutions and governmental agencies.

**Careers**

The department has an excellent record of placing graduates in both graduate and professional programs, which lead to high-profile jobs. Graduates join a global network of nearly 20,000 alumni from the Richard A. Chaifetz School of Business.

**Admission Requirements**

**Freshman**

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs. To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

**Transfer**

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). Transfer students must have a cumulative 2.7 GPA to be admitted to the accounting program. In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator
of the student's ability to meet the academic rigors of
Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint
Louis University education:

+ Scholarships: awarded based on academic
  achievement, service, leadership and financial
  need.
+ Financial Aid: provided in the form of grants and
  loans, some of which require repayment.

For priority consideration for merit-based scholarships,
applicants should apply for admission by Dec. 1 and
complete a Free Application for Federal Student Aid
(FAFSA) by March 1.

For information on other scholarships and financial aid,
visit the student financial services office online at
finaid.slu.edu.

Economics Major Requirements
Required Courses (18 credits)
ECON 1900 Principles of Economics 3
ECON 3010 Introduction to Econometrics 3
ECON 3120 Intermediate Macroeconomics 3
ECON 3140 Intermediate Microeconomics 3
OPM 2070 Introductory Business Statistics 3
MATH 1320 Survey of Calculus 3
OR
MATH 1510 Calculus I 3

Elective Courses (15 credits)
ECON 3760 Economics of Latin America 3
ECON 4080 Industrial Org and Public Policy 3
ECON 4120 Law and Economics 3
ECON 4160 History of Economic Analysis 3
ECON 4200 Money and Banking 3
ECON 4300 International Trade 3
ECON 4310 Exchange Rates & the Global Econ 3
ECON 4400 Labor Economics 3
ECON 4450 Economics of International Migration 3
ECON 4500 Sports Economics 3
ECON 4560 Economic Development 3
ECON 4580 Public Finance 3
ECON 4660 Public Choice and Political Economy 3
ECON 4700 Health Economics 3
ECON 4770 Advanced Econometrics 3
ECON 4930 Special Topics in Economics 3

TOTAL CREDITS: 33

Continuation Standards
Economics students must maintain a minimum 2.0 GPA
in all economics courses used to fulfill major
requirements.

Students whose cumulative SLU grade point average
falls below 2.0 are required to apply for probationary
status, which allows for no more than two consecutive
semesters to improve scholastically and to demonstrate
the ability to make progress toward a degree.

During the probationary period, advisors help students
achieve academic success by closely monitoring their
academic performance. Students on probation may NOT
register for more than 15 credits of coursework as
defined by the terms of the probation.

The conditions under which a student is dismissed from
the school include: 1) inability to eliminate probationary
status within the two semesters subsequent to the
assignment of probation OR 2) a total grade point
deficit of more than 15 points. For more information,
see section under University Academic Policies and
Procedures.

Bachelor of Science in Economics

Program Highlights
Government and business agencies constantly allocate
resources, analyze economic trends and forecast
financial changes. Through the Richard A. Chaifetz
School of Business economics curriculum, you'll learn
to apply theory and problem-solving skills while
balancing public policy with the choices faced by
today's society.

Curriculum Overview
Saint Louis University's Richard A. Chaifetz School of
Business, with its continuing mission to provide
excellence in business education, has developed a
program that is one of a kind in the region. Helping
students develop strong ethical, technical and
professional skills, the program provides in-depth
knowledge and expertise in economics.

Fieldwork and Research Opportunities
Saint Louis' urban location provides many internship
opportunities, which allow students to gain career-
related work experience while applying classroom
learning to practice. Most are paid, and students may
earn academic credit. Supervised by both a
representative from the organization and a faculty
mentor, students have interned with entities such as
financial institutions and governmental agencies.

Careers
The department has an excellent record of placing
graduates in both graduate and professional programs,
which lead to high-profile jobs. Graduates join a global
network of nearly 20,000 alumni from the Richard A.
Chaifetz School of Business.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed.
Solid academic performance in college preparatory
course work is a primary criterion in reviewing a
freshman applicant's file. College admission test
scores (ACT or SAT) are used as an additional indicator
of the student's ability to meet the University's
academic requirements and to qualify the student for
certain University scholarship programs. To be
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approaching graduation from an accredited high school
or have an acceptable score on the General Education
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Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). Transfer students must have a cumulative 2.7 GPA to be admitted to the accounting program. In reviewing a transfer applicant’s file, the office of admission holistically examines the student’s academic performance in college-level coursework as an indicator of the student’s ability to meet the academic rigors of Saint Louis University.

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For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Bachelor of Science Requirements
The academic requirements for a Bachelor of Science degree are as follows: (All courses are three credits unless otherwise indicated.)

Business Common Body of Knowledge (CBK) Requirements: 45 credits

ACCT 2200 Financial Accounting
ACCT 2220 Accounting for Decision Making
BIZ 1000/1001 Business Foundations
BIZ 1002 Excel lab
BIZ 3000 Career Foundations
BIZ 4000 Business Capstone*
ECON 1900 Principles of Economics
ECON 3120 Intermediate Microeconomics
ECON 3140 Intermediate Microeconomics
FIN 3010 Principles of Finance
IB 2000 Introduction to International Business
ITM 2000 Information Technology with Supply Chains
MGT 2000 Legal Environment of Business I
MGT 3000 Management Theory and Practice
MGT 4000 Strategic Management and Policy*
MKT 3000 Introduction to Marketing Management
OPM 2070 Introductory Business Statistics
OPM 3050 Introduction to Management Science and Operations Management

Arts and Sciences Core Requirements: 48 credits

ENGL 1900 Advanced Strategies of Rhetoric & Research**
ENGL 2250, 2350, 2450, 2550, 2650, 2750, 2850 or Foreign Language Literature
ENGL 4000 (strongly recommended) Eng. Literature, or Fine Arts (Art, Art History, Dance, Film Studies, Music, Theatre)**
CMM 1200 Public Speaking**

HIST 1110 or 1120 Origins of the Modern World
PSY 1010 General Psychology

Two additional courses from: African American Studies, American Studies, History, Political Science, Psychology, Sociology, or Women’s and Gender Studies

MATH 1200 College Algebra****
MATH 1320 Survey of Calculus**

One Natural Science course (Biology, Chemistry, Earth & Atmospheric Sciences, Physics, or SOC 2600)

One additional Math*****or Natural Science course

PHIL 1050 Introduction to Philosophy: Self and Reality
PHIL 2050 Ethics
THEO 1000 Theological Foundations
THEO 2xxx Theology course

Business Major: 15-21 credits******

Electives in Business or Other Areas: 6-12 credits*******

Total Required for Degree: 120 credits

Special Notations

*All other Business CBK courses must be completed prior to taking BIZ 4000 and MGT 4000.

**Must be completed by the end of the sophomore year in order to enroll in business courses junior year. MATH 1510 (Calculus 1) or higher-level calculus course may be substituted for MATH 1320.

***Upper division foreign language may be substituted; however, students for whom English is a second language may not complete this requirement in their native language.

****Students who place out of MATH 1200 (based on a SLU Math Index score) must replace it with another approved math course.

***** MATH course must be approved.

******In addition to completing lower and upper division coursework in all areas of business, each student typically selects a business major before or during the first semester of the junior year. Required credits vary between 15-21 credits and are determined by the appropriate department. To broaden their expertise, students may complete more than one major in business, or a major and a minor in business. However, where courses overlap between two business majors, the course may be counted only once and credited to one functional area, i.e. Sports Marketing may be used in either the Marketing major or the Sports Business major but not both.

*******Electives may be selected from any area of study within the University, giving the student the opportunity to diversify his/her background.

Economics Major Requirements
Eighteen credits in addition to ECON 1900, ECON 3120, and ECON 3140, which are taken as business CBK requirements.

Required Course (3 credits)
ECON 3010 Introduction to Econometrics

Elective Courses (15 credits)
ECON 3790 Economics of Latin America
ECON 4080 Industrial Organization and Public Policy
ECON 4120 Law and Economics 3
ECON 4130 History of Economic Analysis 3
ECON 4200 Money and Banking 3
ECON 4300 International Trade 3
ECON 4310 Exchange Rates and the Global Economy 3
ECON 4400 Labor Economics 3
ECON 4450 Economics of International Migration 3
ECON 4500 Sports Economics 3
ECON 4560 Economic Development 3
ECON 4600 Public Finance 3
ECON 4650 Public Choice and Political Economy 3
ECON 4700 Health Economics 3
ECON 4770 Advanced Econometrics 3
ECON 4930 Special Topics in Economics 3

**Continuation Standards**

Economics students must maintain a minimum 2.0 GPA in all economics courses used to fulfill major requirements.

Students whose cumulative SLU grade point average falls below 2.0 are required to apply for probationary status, which allows for no more than two consecutive semesters to improve scholastically and to demonstrate the ability to make progress toward a degree.

During the probationary period, advisors help students achieve academic success by closely monitoring their academic performance. Students on probation may NOT register for more than 15 credits of coursework as defined by the terms of the probation.

The conditions under which a student is dismissed from the school include: 1) inability to eliminate probationary status within the two semesters subsequent to the assignment of probation OR 2) a total grade point deficit of more than 15 points. For more information, see section under University Academic Policies and Procedures.

**Graduation Requirements**

Graduation Requirements

To be certified for graduation, a student must complete all course requirements and meet all of the following conditions:

+ apply to graduate;
+ earn a minimum 2.00 cumulative GPA in all SLU coursework;
+ earn a minimum 2.00 cumulative GPA in all economic coursework that fulfill the major requirements;
+ earn a minimum 2.00 cumulative GPA in all business coursework taken at Saint Louis University;
+ complete the Arts and Sciences core as specified in the business school curriculum;
+ complete 30 of the final 36 credits at the St. Louis campus or an approved Study Abroad program*;
+ complete at least 50% of business coursework in residence at the St. Louis campus*;
+ Complete major course requirements in residence at the St. Louis campus*;
+ Students transferring from the Madrid, Spain campus must complete a minimum of 40 credits of coursework, including a minimum of 30 credits of business coursework in residence at the St. Louis campus.*

*Students may pursue the International Business or Economics majors at the St. Louis campus and/or at the Madrid, Spain campus. The residency requirement then applies to courses taken at either campus.

**Graduation Latin Honors**

See section under University Academic Policies and Procedures.

**Minor in Economics**

Program Requirements

**Required Courses (15 credits)**

ECON 1000 Principles of Economics 3
ECON 3010 Introduction to Econometrics 3
ECON 3120 Intermediate Macroeconomics 3
ECON 3140 Intermediate Microeconomics 3
OPM 2070 Introductory Business Statistics 3

**Elective Courses (9 credits)**

ECON 3790 Economics of Latin America 3
ECON 4080 Industrial Organization and Public Policy 3
ECON 4120 Law and Economics 3
ECON 4180 History of Economic Analysis 3
ECON 4200 Money and Banking 3
ECON 4300 International Trade 3
ECON 4310 Exchange Rates and the Global Economy 3
ECON 4400 Labor Economics 3
ECON 4450 Economics of International Migration 3
ECON 4500 Sports Economics 3
ECON 4560 Economic Development 3
ECON 4650 Public Finance 3
ECON 4600 Public Choice and Political Economy 3
ECON 4700 Health Economics 3
ECON 4770 Advanced Econometrics 3
ECON 4930 Special Topics in Economics 3

**TOTAL CREDITS: 24**

**Continuation Standards**

Students must maintain a minimum 2.0 GPA in all economics courses used to fulfill minor requirements.

If the minor GPA falls below 2.0, students will have one semester to increase minor GPA to 2.0 or students will not be allowed to enroll in 3000 and 4000 level economics courses.
ENGLISH
www.slu.edu/arts-and-sciences/english

LEADERSHIP
Toby Benis, Ph.D.
   Department Chair
Joya Uraizee, Ph.D.
   Associate Chair and Graduate Program Director
Jennifer Rust, Ph.D.
   Undergraduate Program Coordinator and Coordinator of the Research Intensive English Concentration
Devin Johnston, Ph.D.
   Coordinator of the Creative Writing Concentration
Paul Lynch, Ph.D.
   Coordinator of the Rhetoric, Writing and Technology Concentration
Nathaniel Rivers, Ph.D.
   Internship Advisor

OVERVIEW
The SLU Department of English not only teaches courses on major authors and in major periods of British and American literature but also is home to creative writing, rhetoric, business and professional writing, critical theory, postcolonial literature, African American writing, Native American writing, gender and sexuality, and the history of the English language. The department also teaches new and emergent areas of the discipline: film, new media, ecocriticism, literature and technology. Through the study of language, literature and film, students understand cultural values and meanings; they understand persuasive argumentation; they develop analytical thinking and effective writing skills; they learn about literary forms, literary genres, and literary history (the characteristics of, for example, the Middle Ages, Renaissance, and Victorian periods, as well as the differences between them; literary and artistic movements such as Romanticism and Modernism); they appreciate human creativity; they engage imaginatively with the experiences of diverse people from different times and cultures.

At a practical level, the department also helps to provide undergraduates with a range of skills necessary for professional careers in education, law, medicine, public service, media, writing and other fields.

The highly regarded M.A. and Ph.D. programs provide students scholarly training in English language and literature. Encountering courses that span the full experience of works in the English language—from Old Norse to Shakespeare to contemporary and postcolonial writing—students in the program have the chance to pursue specializations in a great variety of literary fields and in the study of rhetoric and composition. Responsive to interdisciplinary interests and to all of the theoretical discourses that connect the study of English language and literature to other literatures and cultures, the program is committed to equipping students with the disciplines and methods of linguistic and literary analysis that will prepare them professionally for the careers they seek.

The diverse faculty have developed wide-ranging expertise, exploring a world which is equally full of diverse kinds of texts. The method is for faculty to work with students in developing individual research pathways, often arising out of their own research and publications, to enable them to understand the world of textuality.

Undergraduate Offerings
+ Bachelor of Arts in English
+ Minor in Creative and Professional Writing
+ Minor in Creative Writing Minor
+ Minor in English

Graduate Offerings
+ Master of Arts in English
+ Doctor of Philosophy in English

Faculty
Paul Acker, Ph.D.
Saher Alam, M.A.
Toby Benis, Ph.D.
Harold Bush, Ph.D.
Vincent Casaregola, Ph.D.
Stephen Casmier, Ph.D.
Juliana Chow, Ph.D.
Ellen Crowell, Ph.D.
Ruth Evans, Ph.D.
Nathan Grant, Ph.D.
Antony Hasler, Ph.D.
Devin Johnston, Ph.D.
Paul Lynch, Ph.D.
Ted Mathys, M.F.A.
Janice McIntire-Strasburg, Ph.D.
Nathaniel Rivers, Ph.D.
Jennifer Rust, Ph.D.
Jonathan Sawday, Ph.D.
Rachel Greenwald-Smith, Ph.D.
Anne Stiles, Ph.D.
Donald Stump, Ph.D.
Joya Uraizee, Ph.D.
Phyllis Weliver, D.Phil.

BACHELOR OF ARTS IN ENGLISH

Program Highlights
Writing is central to all aspects of the program; it is the medium through which the facility hone students' ability to reflect upon what they read and stands as an important area of critical inquiry unto itself. Thus, along with courses in literature in which writing plays a principal role, students may take courses in various genres of creative writing and/or business and professional writing. These courses can enhance both personal creativity and professional competence. English alumni consistently cite this departmental emphasis on analytical thinking and effective writing
skills as a major asset preparing them for a variety of academic and nonacademic postgraduate pursuits.

Additional Highlights include:

+ The English department sponsors a student-edited online literary magazine, the Kiln Project, which publishes creative work by students, including fiction, nonfiction, poetry and visual art.
+ The English department also provides the opportunity for students to publish their original, critical research projects during their undergraduate career through VIA, an online journal of student scholarly research.
+ The English Club, run by undergraduate students, actively seeks inventive ways to strengthen the community of SLU students who love literature and writing.

Curriculum Overview

The English major is student-centered, with small classes that emphasize discussion and independent thinking. Coursework within the major balances tradition and innovation in all areas of literary and rhetorical studies, including:

+ British and American literatures
+ Postcolonial literatures
+ World literatures
+ Literary theory
+ Film studies
+ Gender and race studies
+ History of the English language
+ Rhetoric and composition
+ Creative writing

Rhetoric, Writing, and Technology Concentration

Students interested in the study of rhetoric and digital writing are invited to pursue the department's concentration in Rhetoric, Writing, and Technology (RWT). In this concentration, students study both the history of rhetorical expression and the present possibilities of digital expression. Coursework in Rhetoric, Writing, and Technology dovetails with a variety of majors, minors and courses of study across the university: Communication, Health Management, Entrepreneurship, Business, Marketing, Pre-Law, and Environmental Studies. RWT's focus on the public writing and rhetoric likewise fits with Saint Louis University's Jesuit mission of service to humanity.

Fieldwork and Research Opportunities

Benefits of the English program also include several internship and career opportunities. The English department's internship program supports upper-level English majors who wish to supplement their academic course of study with an educational work experience. The English department seeks to place its students in internship environments where interns go beyond performing clerical work and can make meaningful connections between their course of study and the practical, social, and intellectual demands of a workplace.

Careers

Students who study English at SLU receive a solid foundation for any profession that requires excellent analytical and communication skills. Graduates have enrolled in doctoral programs to continue their English studies. Others find employment in arts, education, business, government and nonprofit agencies. Some students choose to pursue service upon graduation through organizations such as Teach for America, the Americorps, the Jesuit Volunteer Corps or the Peace Corps. Many students attend law school, medical school or MBA programs. Others pursue teaching careers in secondary education, the media and publishing.

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements
2000-level Course (3 credits)
May serve for both CAS Core Requirements and Major Requirements.

ENGL 2250 Conflict, Social Justice and Literature 3
ENGL 2350 Faith, Doubt and Literature 3
ENGL 2450 Nature, Ecology and Literature 3
ENGL 2550 Gender, Identity and Literature 3
ENGL 2650 Technology, Media and Literature 3
ENGL 2750 Film, Culture and Literature 3
ENGL 2850 Nation, Identity and Literature 3

3000-level Courses (15 credits)
3 credits may serve for both CAS Core Requirements and Major Requirements.

Form and Genre Course 3
History and Context Course 3
Culture and Critique Course 3
Rhetoric and Argument Course 3
Additional course taken from any of the above categories 3

Form and Genre - courses with the Form and Genre attribute, such as:

ENGL 3030 The Writer as Reader 3
ENGL 3040 Writing Literary Narratives 3
ENGL 3050 Creative Writing: Poetry 3
ENGL 3060 Creative Writing: Fiction 3
ENGL 3070 Creative Writing: Drama 3
ENGL 3080 Creative Writing: Non-Fiction 3
ENGL 3090 Creative Writing: Poetry and Translation 3
ENGL 3100 Creative Writing: Special Topics 3
ENGL 3110 American Short Story 3
ENGL 3130 American Fiction 3
ENGL 3140 Poetry 3
ENGL 3180 Film 3
ENGL 3190 Literature of Ridicule and Satire 3
ENGL 3200 Detective Fiction 3
ENGL 3210 Fantasy and Literature 3
ENGL 3220 Film and Literature 3
ENGL 3230 Journalism and Literature 3
ENGL 3240 Reading the Female Bildungsroman 3
ENGL 3241 Young Adult Literature 3

History and Context – courses with the History and Context attribute, such as:

ENGL 3250 British Literary Traditions to 1800 3
ENGL 3260 British Literary Traditions after 1800 3
ENGL 3290 American Literary Traditions to 1865 3
ENGL 3295 American Literary Traditions after 1865 3
ENGL 3320 American Literary Traditions: Special Topics 3
ENGL 3330 World Literary Traditions I 3
ENGL 3340 World Literary Traditions II 3
ENGL 3350 World Literary Traditions III 3
ENGL 3340 Modern Literature 3
ENGL 3350 Selected Major British Authors 3
ENGL 3360 Contemporary Irish Writing 3
ENGL 3370 The Oxford Christians: Tolkien, Lewis and Williams 3
ENGL 3390 The Classics and Literature 3
ENGL 3390 Literature and Film of World War II 3
ENGL 3400 War in Literature 3
ENGL 3470 Introduction to Shakespeare 3
ENGL 3480 19th Century British Literature 3
ENGL 3493 Public Health and the Victorian Home 3
ENGL 3492 The Golden Age of Children’s Literature 3

Culture and Critique – courses with the Culture and Critique attribute, such as:

ENGL 3500 Literature of the Postcolonial World 3
ENGL 3510 African American Literary Traditions I: Before 1900 3
ENGL 3520 African American Literary Traditions II: After 1800 3
ENGL 3530 African American Literary Traditions: Special Topics 3
ENGL 3540 Literature of the African Diaspora 3
ENGL 3550 Native American Literature 3
ENGL 3560 Ethnic American Literature 3
ENGL 3570 Writing Sex in the Middle Ages 3
ENGL 3580 Literature of the Natural World 3
ENGL 3590 Nature and Literature 3
ENGL 3600 Women and Literature 3
ENGL 3610 The City and Literature 3
ENGL 3620 Special Topics in Spirituality and Literature 3
ENGL 3630 Disaster Narratives 3
ENGL 3640 British Culture and Travel 3
ENGL 3650 Science Fiction 3
ENGL 3660 LGBTQ Literature and Culture 3
ENGL 3670 The Bible and Literature 3
ENGL 3730 Instruction to Medical Humanities 3
ENGL 3740 Medicine and Literature 3
ENGL 3780 Topics in hermeneutics 3

Rhetoric and Argument – 3 credits from courses with the Rhetoric and Argument attribute, such as:

ENGL 3750 Writing about Literature 3
ENGL 3760 Topics in Rhetorical Analysis 3
ENGL 3780 Foundations of Rhetoric and Writing 3
ENGL 3854 Teaching the Writing Life 3
ENGL 3860 Public Rhetoric 3
ENGL 3870 Technical Writing 3
ENGL 3880 Writing Personal Narratives and Memoirs 3
ENGL 3890 Writing Consulting: Forms, Theories, Practices 3

4000-level Courses (15 credits)
Any English course offered at the 4000-level may count, such as:

ENGL 4000 Business and Professional Writing 3
ENGL 4010 New Media Writing 3
ENGL 4173 Irish Cinema 3
ENGL 4176 Queer Cinema 3
ENGL 4210 Beowulf 3
ENGL 4220 Intro to Old Norse 3
ENGL 4230 Literature of the Vikings 3
ENGL 4240 Chaucer: The Canterbury Tales 3
ENGL 4290 Topics in Medieval Literature 3
ENGL 4300 Age of Elizabeth 3
ENGL 4310 Early Shakespeare 3
ENGL 4320 Shakespeare: Special Topics 3
ENGL 4330 Renaissance Drama 3
ENGL 4350 17th Century Literature 3
ENGL 4380 Milton 3
ENGL 4500 The Age of Romanticism 3
ENGL 4530 Medicine, Mind, and Victorian Fiction 3
ENGL 4580 Major Victorian Authors and Movements 3
ENGL 4580 Special Topics: 19th Century Literature 3
ENGL 4805 Major Modernist Writers and Movements 3
ENGL 4815 Queer Modernism 3
ENGL 4840 Irish Modernism 3
ENGL 4880 Major Post-Colonial Writers 3
ENGL 4890 Special Topics in 20th/21st Century British, Irish, & Postcolonial Literature & Culture 3
ENGL 4720 Contemporary American Literature 3
ENGL 4740 19th Century American Literature 3
ENGL 4780 20th Century American Literature 3
ENGL 4810 Major American Authors 3
ENGL 4830 Post-1980 African American Literature 3
ENGL 4840 Native American Literature 3
ENGL 4890 Special Topics: American Lit & Culture 3
ENGL 4891 Internship 3

Senior Seminar (3 credits)
ENGL 4940 Senior Seminar 3

TOTAL CREDITS: 38

Creative Writing Concentration

Recommended Courses
A student planning to major in English with a Creative Writing concentration may wish to take an Introductory Creative Writing course (ENGL 3040-3090) as part of
the CAS Core literature requirement. Three credits of 3000-level coursework in English may serve for both CAS Core Requirements and Major Distribution Requirements.

**Concentration Requirements (12 credits)**

**ENGL 3030 The Writer as Reader**

**ENGL 3040 Writing Literary Narratives* 3**

**ENGL 3050 Creative Writing: Poetry* 3**

**ENGL 3060 Creative Writing: Fiction* 3**

**ENGL 3070 Creative Writing: Drama**

**ENGL 3080 Creative Writing: Non-Fiction* 3**

**ENGL 3090 Creative Writing: Poetry and Translation* 3**

**ENGL 3100 Creative Writing: Special Topics* 3**

**ENGL 3110 American Short Story**

**ENGL 3130 American Fiction**

**ENGL 3140 Fiction**

**ENGL 3180 Film**

**ENGL 3190 Literature of Ridicule and Satire**

**ENGL 3200 Detective Fiction**

**ENGL 3210 Fantasy and Literature**

**ENGL 3220 Film and Literature**

**ENGL 3230 Journalism and Literature**

**ENGL 3240 Reading the Female Bildungsroman**

**ENGL 3241 Young Adult Literature**

**History and Context – courses with the History and Context attribute, such as:**

**ENGL 3250 British Literary Traditions to 1800**

**ENGL 3260 British Literary Traditions after 1800**

**ENGL 3270 American Literary Traditions to 1865**

**ENGL 3280 American Literary Traditions after 1865**

**ENGL 3290 American Literary Traditions: Special Topics**

**ENGL 3310 World Literary Traditions I**

**ENGL 3320 World Literary Traditions II**

**ENGL 3330 World Literary Traditions III**

**ENGL 3340 Modern Literature**

**ENGL 3350 Selected Major British Authors**

**ENGL 3360 Contemporary Irish Writing**

**ENGL 3370 The Oxford Christians: Tolkien, Lewis and Williams**

**ENGL 3380 The Classics and Literature**

**ENGL 3390 Literature and Film of World War II**

**ENGL 3400 War in Literature**

**ENGL 3470 Introduction to Shakespeare**

**ENGL 3490 19th Century British Literature**

**ENGL 3491 Public Health and the Victorian Home**

**ENGL 3492 The Golden Age of Children’s Literature**

**Culture and Critique – courses with the Culture and Critique attribute, such as:**

**ENGL 3500 Literature of the Postcolonial World**

**ENGL 3510 African American Literary Traditions I: Before 1800**

**ENGL 3520 African American Literary Traditions II: After 1900**

**ENGL 3530 African American Literary Traditions: Special Topics**

**ENGL 3540 Literature of the African Diaspora**

**ENGL 3550 Native American Literature**

**ENGL 3560 Ethic American Literature**

**ENGL 3570 Writing Sex in the Middle Ages**

**ENGL 3580 Literature of the Natural World**

**ENGL 3590 Nature and Literature**

**ENGL 3800 Women and Literature**

**ENGL 3810 The City and Literature**

**ENGL 3820 Special Topics in Spirituality and Literature**

**ENGL 3830 Disaster Narratives**

**ENGL 3840 British Culture and Travel**

**ENGL 3850 Science Fiction**

**ENGL 3860 LGBTQ Literature and Culture**

**ENGL 3870 The Bible and Literature**

**ENGL 3730 Instruction to Medical Humanities**

**ENGL 3740 Medicine and Literature**

**Rhetoric and Argument – 3 credits from courses with the Rhetoric and Argument attribute, such as:**

**ENGL 3750 Writing about Literature**

**ENGL 3760 Topics in Rhetorical Analysis**

**ENGL 3850 Foundations of Rhetoric and Writing**

**ENGL 3854 Teaching the Writing Life**

**ENGL 3860 Public Rhetoric**

**ENGL 3870 Technical Writing**

**ENGL 3880 Writing Personal Narratives and Memoirs**

**ENGL 3890 Writing Consulting: Forms, Theories, Practice**

**4000-level Courses (15 credits)**

Any English course offered at the 4000-level may count, such as:

**ENGL 4000 Business and Professional Writing**

**ENGL 4010 New Media Writing**

**ENGL 4173 Irish Cinema**

**ENGL 4178 Queer Cinema**

**ENGL 4050 Advanced Creative Writing: Poetry* 3**

**ENGL 4060 Advanced Creative Writing: Fiction* 3**

**ENGL 4070 Advanced Creative Writing: Drama* 3**

**ENGL 4080 Advanced Creative Writing: Non-Fiction* 3**

**ENGL 4090 Advanced Creative Writing: Time in Fiction* 3**

**ENGL 4091 Advanced Creative Writing: Poetry and Translation* 3**

**ENGL 4120 Language Studies: Special Topics* 3**

**ENGL 4120 Beowulf**

**ENGL 4220 Intro to Old Norse**

**ENGL 4230 Literature of the Vikings**

**ENGL 4240 Chaucer: The Canterbury Tales**

**ENGL 4290 Topics in Medieval Literature**

**ENGL 4300 Age of Elizabeth**

**ENGL 4310 Early Shakespeare**

**ENGL 4320 Shakespeare: Special Topics**

**ENGL 4330 World Literature Traditions I**

**ENGL 4350 17th Century Literature**

**ENGL 4360 Milton**

**ENGL 4500 The Age of Romanticism**

**ENGL 4530 Medicine, Mind, and Victorian Fiction**

**ENGL 4550 Major Victorian Authors and Movements**

**ENGL 4560 Special Topics: 19th Century Literature**

**ENGL 4605 Major Modernist Writers and Movements**

**ENGL 4615 Queer Modernism**

**ENGL 4640 Irish Modernism**

**ENGL 4680 Major Post-Colonial Writers**

**ENGL 4890 Special Topics in 20th/21st Century British, Irish, & Postcolonial Literature & Culture**

**ENGL 4720 Contemporary American Literature**

**ENGL 4740 19th Century American Literature**

**ENGL 4780 20th Century American Literature**

**ENGL 4810 Major American Authors**

**ENGL 4830 Post-1900 African American Literature**

**ENGL 4980 Native American Literature**

**ENGL 4980 Special Topics: American Lit & Culture**

**ENGL 4910 Internship**

**Senior Seminar (3 credits)**

**ENGL 4940 Senior Seminar**

**TOTAL CREDITS: 36 (of which 12 are Creative Writing)**

**Rhetoric, Writing and Technology Concentration**

**Concentration Requirements (15 credits)**

The Rhetoric, Writing and Technology concentration requires 15 credits of coursework in rhetoric, writing and technology. Courses are marked with an ** below.

**Required Concentration Course (3 credits)**

**ENGL 3850 Foundations of Rhetoric and Writing**

**Concentration Choice (3 credits)**

**ENGL 4020 History of Rhetoric from Classical Athens until 1700**

**ENGL 4030 History of Rhetoric from 1700 until the Present**
### 2000-level Course (3 credits)
May serve for both CAS Core Requirements and Major Requirements.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGL 2250</td>
<td>Conflict, Social Justice and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2350</td>
<td>Faith, Doubt and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2450</td>
<td>Nature, Ecology and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2550</td>
<td>Gender, Identity and Literature</td>
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</tr>
<tr>
<td>ENGL 2650</td>
<td>Technology, Media and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2750</td>
<td>Film, Culture and Literature</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 2850</td>
<td>Nation, Identity and Literature</td>
<td>3</td>
</tr>
</tbody>
</table>

### 3000-level Courses (15 credits)
3 credits may serve for both CAS Core Requirements and Major Requirements.

#### Form and Genre Course
- ENGL 3030 The Writer as Reader
- ENGL 3040 Writing Literary Narratives
- ENGL 3050 Creative Writing: Poetry
- ENGL 3060 Creative Writing: Fiction
- ENGL 3070 Creative Writing: Drama
- ENGL 3080 Creative Writing: Non-Fiction
- ENGL 3090 Creative Writing: Poetry and Translation
- ENGL 3100 Creative Writing: Special Topics
- ENGL 3110 American Short Story
- ENGL 3120 American Fiction
- ENGL 3130 American Poetry
- ENGL 3140 Poetry
- ENGL 3150 Literature of Ridicule and Satire
- ENGL 3160 Detective Fiction
- ENGL 3210 Fantasy and Literature
- ENGL 3220 Film and Literature
- ENGL 3230 Journalism and Literature
- ENGL 3240 Reading the Female Bildungsroman
- ENGL 3241 Young Adult Literature

#### History and Context Course
- ENGL 3250 British Literary Traditions to 1800
- ENGL 3260 British Literary Traditions after 1800
- ENGL 3270 American Literary Traditions to 1865
- ENGL 3280 American Literary Traditions after 1865
- ENGL 3290 American Literary Traditions: Special Topics
- ENGL 3310 World Literary Traditions I
- ENGL 3320 World Literary Traditions II
- ENGL 3330 World Literary Traditions III
- ENGL 3340 Modern Literature
- ENGL 3350 Selected Major British Authors
- ENGL 3360 Contemporary Irish Writing
- ENGL 3370 The Oxford Christians: Tolkien, Lewis and Williams
- ENGL 3380 The Classics and Literature
- ENGL 3390 Literature and Film of World War II
- ENGL 3400 War in Literature
- ENGL 3470 Introduction to Shakespeare
- ENGL 3490 18th Century British Literature
- ENGL 3491 Public Health and the Victorian Home
- ENGL 3492 The Golden Age of Children's Literature

#### Culture and Critique Course
- ENGL 3500 Literature of the Postcolonial World
- ENGL 3510 African American Literary Traditions I: Before 1890
- ENGL 3520 African American Literary Traditions II: After 1890
- ENGL 3530 African American Literary Traditions: Special Topics
- ENGL 3540 Literature of the African Diaspora
- ENGL 3550 Native American Literature
- ENGL 3560 Ethnic American Literature
- ENGL 3570 Writing Sex In the Middle Ages
- ENGL 3580 Literature of the Natural World
- ENGL 3590 Nature and Literature
- ENGL 3600 Women and Literature
- ENGL 3610 The City and Literature
- ENGL 3620 Special Topics in Spirituality and Literature
- ENGL 3630 Disaster Narratives
- ENGL 3640 British Culture and Travel
- ENGL 3650 Science Fiction
- ENGL 3660 LGBTQ Literature and Culture
- ENGL 3700 The Bible and Literature
- ENGL 3730 Inroduction to Medical Humanities
- ENGL 3740 Medicine and Literature

### 4000-level Courses (15 credits)
Any English course offered at the 4000-level may count, such as:

- ENGL 4000 Business and Professional Writing
- ENGL 4010 New Media Writing
- ENGL 4040 Special Topics in Rhetoric
- ENGL 4080 Advanced Creative Writing: Non-Fiction
- ENGL 4120 Language Studies: Special Topics
- ENGL 4173 Irish Cinema
- ENGL 4176 Queer Cinema
- ENGL 4210 Beowulf
- ENGL 4220 Intro to Old Norse Literature
- ENGL 4230 Literature of the Vikings
- ENGL 4240 Chaucer: The Canterbury Tales
- ENGL 4250 Topics in Medieval Literature
- ENGL 4300 Age of Elizabeth
- ENGL 4310 Early Shakespeare
- ENGL 4320 Shakespeare: Special Topics
- ENGL 4330 Renaissance Drama
- ENGL 4350 17th Century Literature
- ENGL 4380 Milton
- ENGL 4500 The Age of Romanticism
- ENGL 4530 Medicine, Mind, and Victorian Fiction
- ENGL 4550 Major Victorian Authors and Movements
- ENGL 4590 Special Topics: 19th Century Literature
- ENGL 4605 Major Modernist Writers and Movements
- ENGL 4615 Queer Modernism
- ENGL 4640 Irish Modernism
- ENGL 4650 Major Post-Colonial Writers
- ENGL 4690 Special Topics in 20th/21st Century British, Irish, & Postcolonial Literature & Culture
- ENGL 4720 Contemporary American Literature
- ENGL 4740 19th Century American Literature
- ENGL 4760 20th Century American Literature
- ENGL 4810 Major American Authors
- ENGL 4830 Post-1900 African American Literature
- ENGL 4840 Native American Literature
- ENGL 4880 Special Topics: American Lit & Culture
- ENGL 4910 Internship

### Senior Seminar (3 credits)
- ENGL 4982 Rhetoric, Writing and Technology Capstone

### TOTAL CREDITS: 36 (of which 15 are Rhetoric, Writing and Technology)

#### Research Intensive English Concentration
English majors with sophomore status or above may apply for the selective Research Intensive English Concentration.
(RIE) concentration. This concentration within the English major, which admits a maximum cohort of 12 students per academic year, offers opportunities for pursuing literary and rhetorical studies in smaller, more rigorous settings. All Research Intensive English students must take at least 2 Research Intensive English seminars (while maintaining a 3.5 or higher GPA in English). To complete the RIE concentration successfully, students must complete either ENGL 4990: Senior Honors Project or an additional Research Intensive English seminar after achieving senior status. Students who complete these requirements will graduate with the Research Intensive English designation, and will leave the program well prepared for advanced study in English.

Concentration Requirements
The concentration requires that all Research Intensive English students complete at least two (2) Research Intensive English seminars (ENGL 4XXX). Research Intensive English seminars will be 4000-level English courses designated with a "Research Intensive English" attribute. The final requirement of the RIE concentration must be fulfilled with one (1) of the following options:

1. Completion of ENGL 4990: Senior Honors Project after achieving senior status. ENGL 4990 is a research and writing requirement that students enter into individually, guided by a faculty mentor. The student must submit a formal project proposal with faculty mentor approval to the Director of the Research Intensive English concentration the semester before enrolling in ENGL 4990.

2. Completion of an additional 4000-level Research Intensive English seminar after achieving senior status.

The Creative Writing concentration requires 12 credits of coursework in creative writing. Courses are marked with an *** below.

Internship Opportunities
The Department of English offers a variety of internships that are arranged on a case-by-case basis. Examples include:
+ Legal Assistant
+ Museum Project Director
+ Film Assistants
+ Editorial Writer
+ Publishing Assistant
+ Magazine Editing
+ Editorial Writing

General Requirements
Internships are limited to English majors with junior or senior status. Students are required to work no less than 10 hours weekly to earn 3 credits for the semester. Students approved for internships register for ENGL 4910; grading is satisfactory/unsatisfactory.

Non-Course Requirements
Creative Writing Concentration
Students majoring in English with a Creative Writing concentration are required to submit a portfolio of representative work for assessment prior to graduation.

Continuation Standards
All English courses must be completed with a grade of C or higher in order to count for English major requirements and for the student to continue in the major.

MINOR IN CREATIVE WRITING MINOR

Program Requirements

3000-level Course (3 credits)
ENGL 3030 The Writer as Reader 3
ENGL 3040 Writing Literary Narratives 3
ENGL 3050 Creative Writing: Poetry 3
ENGL 3060 Creative Writing: Fiction 3
ENGL 3070 Creative Writing: Drama 3
ENGL 3080 Creative Writing: Non-Fiction 3
ENGL 3090 Creative Writing: Poetry and Translation 3
ENGL 3100 Creative Writing: Special Topics 3

4000-level Courses (6 credits)
ENGL 4050 Advanced Creative Writing: Poetry 3
ENGL 4060 Advanced Creative Writing: Fiction 3
ENGL 4070 Advanced Creative Writing: Drama 3
ENGL 4080 Advanced Creative Writing: Non-Fiction 3
ENGL 4090 Advanced Creative Writing: Time in Fiction 3
ENGL 4091 Advanced Creative Writing: Poetry and Translation 3
ENGL 4120 Language Studies: Special Topics 3

Literature Courses (6 credits)
Six credits of complementary courses in English literature at the 3000 or 4000 level are to be chosen in consultation with the coordinator of creative writing.

TOTAL CREDITS: 15

Continuation Standards
All English courses must be completed with a grade of C or higher in order to count for English minor requirements and for the student to continue in the minor.

MINOR IN CREATIVE AND PROFESSIONAL WRITING

Overview
The interdisciplinary minor in Creative and Professional Writing offers students an opportunity to gain experience in many different kinds of writing from poetry and fiction to journalism and public relations. The CPW minor helps students develop and mature as writers by providing extensive practice in both creative and professional forms of writing. Though English and Communication majors frequently seek the Creative and Professional Writing minor as an additional credential, students from any discipline may pursue it. The CPW minor can help students prepare directly for careers in journalism, public relations, advertising, or corporate communications, as well as for graduate study in creative writing or journalism. Any student who
May serve for both CAS Core Requirements and for the student to continue in the Continuation Standards. 

TOTAL CREDITS: 18

Continuation Standards
All English courses must be completed with a grade of C or higher in order to count for English minor requirements and for the student to continue in the minor.

MINOR IN ENGLISH

Program Requirements

2000-level Course (3 credits) 
May serve for both CAS Core Requirements and Major Requirements. 

ENGL 2250 Conflict, Social Justice and Literature 3
ENGL 2350 Faith, Doubt and Literature 3
ENGL 2450 Nature, Ecology and Literature 3
ENGL 2550 Gender, Identity and Literature 3
ENGL 2650 Technology, Media and Literature 3
ENGL 2750 Film, Culture and Literature 3
ENGL 2850 Nation, Identity and Literature 3

3000-level Courses (9 credits) 
3 credits may serve for both CAS Core Requirements and Major Requirements.

Form and Genre Course 3
History and Context Course 3
Culture and Critique Course 3
Rhetoric and Argument Course 3
Additional course taken from any of the above categories 3

Form and Genre - courses with the Form and Genre attribute, such as:
ENGL 3030 The Writer as Reader 3
ENGL 3040 Writing Literary Narratives 3
ENGL 3050 Creative Writing: Poetry 3
ENGL 3060 Creative Writing: Fiction 3
ENGL 3070 Creative Writing: Drama 3
ENGL 3080 Creative Writing: Non-Fiction 3
ENGL 3090 Creative Writing: Poetry and Translation 3
ENGL 3100 Creative Writing: Special Topics 3
ENGL 3110 American Short Story 3
ENGL 3120 American Fiction 3
ENGL 3130 American Fiction 3
ENGL 3140 Poetry 3
ENGL 3180 Film 3
ENGL 3190 Literature of Ridicule and Satire 3
ENGL 3200 Detective Fiction 3
ENGL 3210 Picaresque and Literature 3
ENGL 3220 Film and Literature 3
ENGL 3230 Journalism and Literature 3
ENGL 3240 Reading the Female Bildungsroman 3
ENGL 3241 Young Adult Literature 3

History and Context - courses with the History and Context attribute, such as:
ENGL 3250 British Literary Traditions to 1800 3
ENGL 3260 British Literary Traditions after 1800 3
ENGL 3270 American Literary Traditions to 1865 3
ENGL 3280 American Literary Traditions after 1865 3
ENGL 3290 American Literary Traditions: Special Topics 3
ENGL 3310 World Literary Traditions I 3
ENGL 3320 World Literary Traditions II 3
ENGL 3330 World Literary Traditions III 3
ENGL 3340 Modern Literature 3
ENGL 3350 Selected Major British Authors 3
ENGL 3360 Contemporary Irish Writing 3
ENGL 3370 The Oxford Christians: Tolkien, Lewis and Williams 3
ENGL 3380 The Classics and Literature 3
ENGL 3390 Literature and Film of World War II 3
ENGL 3400 War in Literature 3
ENGL 3470 Introduction to Shakespeare 3
ENGL 3480 18th Century British Literature 3
ENGL 3491 Public Health and the Victorian Home 3
ENGL 3492 The Golden Age of Children's Literature 3

Culture and Critique - courses with the Culture and Critique attribute, such as:
ENGL 3500 Literature of the Postcolonial World 3
ENGL 3510 African American Literary Traditions I: Before 1900 3
ENGL 3520 African American Literary Traditions II: After 1900 3
ENGL 3530 African American Literary Traditions: Special Topics 3
ENGL 3540 Literature of the African Diaspora 3
ENGL 3550 Native American Literature 3
ENGL 3560 Ethnic American Literature 3
ENGL 3570 Writing Sex in the Middle Ages 3
ENGL 3580 Literature of the Natural World 3
ENGL 3590 Nature and Literature 3
ENGL 3600 Women and Literature 3
ENGL 3610 The City and Literature 3
ENGL 3620 Special Topics in Spirituality and Literature 3
ENGL 3630 Disaster Narratives 3
ENGL 3640 British Culture and Travel 3
ENGL 3650 Science Fiction 3
ENGL 3680 LGBTQ Literature and Culture 3

Program Requirements

5000-level writing courses in the English department may count both for the CPW minor and as electives for the English major or minor. Only one 5000-level course may count for both the CPW minor and the English major or minor (as long as the student has already completed the 3000-level literature course required for the CAS Core).
Reinforcing the voice, students have in important elements of their program is the English Graduate Organization, an active group that works with the faculty to promote the professionalization of graduate students through activities such as workshops on career preparation, trips to learned conferences and on-campus symposia.

**Curriculum Overview**

M.A. in English students take courses in the methods of literary research and critical theory, as well as courses in four out of five required areas.

The degree is normally completed in two years and is offered in two options: non-thesis and thesis.

The non-thesis option requires 30 credits of coursework while the thesis option, which is recommended for students interested in eventually pursuing a Ph.D., permits students to substitute a thesis for six of these credits. Under this option, students select a topic in consultation with a director and have their completed work reviewed by a committee consisting of the director and two other faculty readers.

Students planning to teach at Saint Louis University are required to take a class in the teaching of writing.

**Madrid Campus**

Both the thesis and non-thesis options are offered at the Madrid, Spain campus. Students who enroll at the Madrid campus are required to spend one semester, during the academic year or a six-week summer term, in residence at the St. Louis campus. For further information on the Madrid Campus and the M.A. program there, see spain.slu.edu.

**Fieldwork and Research Opportunities**

The English department is affiliated with the Walter J. Ong Center for Digital Humanities. In addition to participating in various writing programs, including University Writing Services, the English faculty and graduate students participate in departmental research colloquia and reading groups. SLU also hosts the journal African American Review as well as the New Chaucer Society, the world’s leading scholarly organization in medieval literature and culture.

**Admission Requirements**

Most admitted students meet the following criteria:

+ Creative and ambitious with high levels of academic distinction and sophistication, at well-regarded colleges and universities with rigorous B.A./M.A. programs.
+ High GPA (3.7 and above in English).
+ Scored at or above the 90th percentile on the Verbal portion and/or 4.5 or above on the Essay portion of the GRE General Test.
+ Identified fields/areas of intended study, possible thesis/dissertation topics, and specific faculty in the department with whom students might wish to work.
+ Professional goal statement that aligns well with the curricula the department offers. The statement

**Master of Arts in English**

**Program Highlights**

Both the master’s and doctoral students in English select their own examination advisers and have a prominent voice in shaping examination and thesis boards.
should be no more than 750 words and should lay out professional and intellectual goals as well as the interest in graduate studies in English. While plans may change, this statement will help the department assess the grasp of the field and the ability to describe ideas coherently and compellingly. The statement should address:
+ The specific field of English studies that students are interested in.
+ How students would like to contribute to existing research and criticism in the area of interest.
+ The critical and scholarly approaches to literature students have found most productive.
+ The faculty members students would prefer to work with.
+ Sufficient TOEFL score (for international students).

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation assessing potential in graduate studies
+ GRE
+ Résumé
+ Writing sample (10 pages demonstrating competence in analyzing literary texts; this can be an excerpt taken from a longer piece)
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application Deadline
Completed applications are due by Jan. 15. Applications that are completed by Dec. 15 will receive a response by Jan. 15. Students cannot begin the program in the spring semester or a summer session. 1818 instructors seeking a graduate degree should consult with the director of graduate studies in English.

Please do not forward any application materials directly to the Department of English. All application materials must be submitted through the Office of Graduate Admission.

For application forms and more information, contact the Office of Graduate Admission.

Review Process
Members of the department's graduate committee examine applicants' materials and make admission and funding recommendations.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (6 credits)
ENGL 5000 Methods of Literary Research 3
ENGL 5110 Literary Theory 3

Teaching Requirement
Required of those who teach writing classes offered by the Department.
ENGL 5010 The Teaching of Writing 3

Distributive Requirements (12 credits)
One course in four of the following five fields
Anglo-Saxon and/or Medieval Literature 3
Renaissance/Early Modern Literature (ca. 1500-1600) 3
Literature of the Long 19th Century (ca. 1789-1914):
  British, American, African American, or Transatlantic 3
Modern and/or Contemporary Literature: British, Irish, American, African American, Transatlantic, or Postcolonial 3
Rhetoric and/or Composition (exclusive of ENGL.5010) 3

Elective Courses (12 credits)

Thesis Option
English Electives 8
EAS 5990 Thesis Research 6

Non-Thesis Option
English Electives 12

TOTAL CREDITS: 30

Non-Course Requirements

Oral Examination
At the conclusion of their coursework, all master's students must take a one-hour oral examination on works drawn from a list that is made available to them at the outset of their program of study. Students who choose the thesis option will also be examined orally on their theses in separate one-hour examinations.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

Doctor of Philosophy in English

Program Highlights
Both the master's and doctoral students in English select their own examination advisers and have a prominent voice in shaping examination and thesis boards.

Reinforcing the voice, students have in important elements of their program is the English Graduate Organization, an active group that works with the faculty to promote the professionalization of graduate students through activities such as workshops on career preparation, trips to learned conferences and on-campus symposia.

Curriculum Overview
The M.A. in English is offered in two options: non-thesis and thesis. Both options are normally completed in two
years.

The non-thesis option requires 30 credits of coursework beyond the B.A.

The thesis option, which is recommended for those interested in eventually pursuing a Ph.D., permits students to substitute a thesis for six of the 30 required credits of coursework. Under this option, students select a topic in consultation with a director and have their completed work reviewed by a committee consisting of the director and two other faculty readers.

All students take courses in the methods of literary research and critical theory, as well as courses in four out of five required areas.

Students planning to teach at Saint Louis University are required to take a class in the teaching of writing.

**Madrid Campus**
Both the thesis and non-thesis options are offered at the Madrid, Spain campus. Students who enroll at the Madrid campus are required to spend one semester, during the academic year or a six-week summer term, in residence at the St. Louis campus. For further information on the Madrid Campus and the M.A. program there, see spain.slu.edu.

**Fieldwork and Research Opportunities**
The English department is affiliated with the Walter J. Ong Center for Digital Humanities. In addition to participating in various writing programs, including University Writing Services, the English faculty and graduate students participate in departmental research colloquia and reading groups. SLU also hosts the journal African American Review as well as the New Chaucer Society, the world's leading scholarly organization in medieval literature and culture.

**Careers**
Since 2001, 90 percent of doctoral students found jobs, and 73 percent found regular academic positions. Recent graduates have accepted tenure-track faculty positions at Creighton University, University of Central Florida, University of Detroit-Mercy, Missouri University of Science and Technology (Rolla), Truman State University and University of North Texas, Dallas. Graduates who pursued non-academic paths have accepted positions such as document analyst at the National Geospace Intelligence Agency, corporate training manager at Enterprise Holdings and the director of research communication at Washington University's School of Medicine.

**Admission Requirements**
Most admitted students meet the following criteria:

+ Creative and ambitious with high levels of academic distinction and sophistication, at well-regarded colleges and universities with rigorous B.A./M.A. programs.
+ High GPA (3.7 and above in English).
+ Scored at or above the 90th percentile on the Verbal portion and/or 4.5 or above on the Essay portion of the GRE General Test.
+ Identified fields/areas of intended study, possible thesis/dissertation topics, and specific faculty in the department with whom students might wish to work.
+ Professional goal statement that aligns well with the curricula the department offers. The statement should be no more than 750 words and should lay out professional and intellectual goals as well as the interest in graduate studies in English. While plans may change, this statement will help the department assess the grasp of the field and the ability to describe ideas coherently and compellingly. The statement should address:
  + The specific field of English studies that students are interested in.
  + How students would like to contribute to existing research and criticism in an area of interest.
  + The critical and scholarly approaches to literature students have found most productive.
+ The faculty members students would prefer to work with.
+ Sufficient TOEFL score (for international students).

**Transferring into the Doctoral Program**
Applications by SLU M.A. students seeking to transfer into the doctoral program are made by separate application at the beginning of the spring semester of the Master's candidate's second year following a protocol described in the English Department Graduate Handbook.

Both internal and external applicants to the Ph.D. program are strongly encouraged to have completed, or at least in the process of completing, a master's thesis or to have undertaken another outsized research project as part of their M.A. studies, since the ability to independently frame and conduct a major research project will be demanded of them as doctoral students.

**Application Requirements**

+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation assessing potential in graduate studies
+ GRE
+ Résumé
+ Writing sample (10 pages demonstrating competence in analyzing literary texts; this can be an excerpt taken from a longer piece)
+ Professional goal statement

**Requirements for International Students**

+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.
Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Application Deadline**
Completed applications are due by Jan. 15. Applications that are completed by Dec. 15 will receive a response by Jan. 15. Students cannot begin the
program in the spring semester or a summer session. 1818 instructors seeking a graduate degree should consult with the director of graduate studies in English.

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Review Process
Members of the department's graduate committee examine applicants' materials and make admission and funding recommendations.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Students are required to take a minimum of 24 credits in English course work beyond the M.A. Six credits may be taken at the 4000-level. ENGL.5000, ENGL.5010, and ENGL.5110 are required of all students who have not taken equivalent courses in another program as part of their prior training. Students are also required to take ENGL.6970 (Professionalization Practicum) in the year they are beginning to seek professional employment, whether in an academic or "alt-ac" setting.

Distributive Requirements
Beyond these courses, Ph.D. candidates who have taken course work in four of the five following fields as Master's students need only take 9 of 24 required credits in three of the five fields as part of their doctoral course work. Doctoral students who have not met the threshold Master's level criterion must take 12 credits in four of the following five fields:

+ Anglo-Saxon and/or Medieval Literature
+ Renaissance/Early Modern Literature (ca. 1500-1800)
+ Literature of the Long 19th Century (ca. 1789-1914): British, American, African American, or Transatlantic
+ Modern and/or Contemporary Literature: British, Irish, American, African American, Transatlantic, or Postcolonial
+ Rhetoric and/or Composition exclusive of ENGL.5010

In addition, all Ph.D. students, after their first year, must distribute registrations for 12 credits of ENGL.6990 Dissertation Research over several terms.

Non-Course Requirements

Language Requirement
Before taking their comprehensive exams, all Ph.D. candidates must display reading proficiency in one modern foreign language relevant to their research.

Students concentrating in medieval or renaissance literature also need to demonstrate competence in either Latin or Classical Greek.

Doctoral Competency Exam
Ph.D. candidates take a Doctoral Competency Exam, that has written and oral components and is described in the English Department Graduate Handbook.

Public Defense
Completed dissertations are assessed by the student's committee and are formally accepted after a public defense.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
FINE AND PERFORMING ARTS
www.slu.edu/arts-and-sciences/fine-and-performing-arts

LEADERSHIP
Laura L. Franklin, D.M.A.
    Department Chair
Cynthia Stollhans, Ph.D.
    Associate Department Chair
Deborah Douglas, M.F.A.
    Art History Program Director
Aaron Johnson, D.M.A.,
    Music Program Director
Amy Bautz, M.F.A.
    Studio Art Program Director
Daniel Giedeman, M.F.A.
    Theatre Program Director

OVERVIEW
The study of the arts can prepare students for careers in music, theatre, art, as well as other professions.

Saint Louis University's Department of Fine and Performing Arts is made up of four programs: art history, music, studio art and theatre. Each emphasizes a different discipline but all encourage reflection on the world around us through art. In this way, students discover an excellent opportunity to study humanity, aesthetics and cultural practices through theory and practice.

Undergraduate Offerings
+ Bachelor of Arts in Art History
+ Bachelor of Arts in Music
+ Bachelor of Arts in Studio Art
+ Bachelor of Arts in Theatre
+ Minor in Art History
+ Minor in Drama Studies
+ Minor in Music
+ Minor in Studio Art
+ Minor in Theatre

Faculty
Art History Full Time Faculty
Cynthia Stollhans, Ph.D.
Terrence Dempsey, S.J., Ph.D.
Deborah Douglas, M.F.A.
Bradley Bailey, Ph.D.
Cathleen Fleck, Ph.D.
Olubukola Gbadegesin, Ph.D.

Music Full Time Faculty
Laura L. Franklin, D.M.A.
Robert L Hughes, Jr., Ph.D.
Aaron E. Johnson, D.M.A.
Katherine Jolly, D.M.A.

Music Adjunct Faculty
Lori Barrett-Pagano, M.M.
Aaron Bounds, M.M.
Patricia Eastman, M.M.
William Hopkins II, M.M.
Nate Jackson, D.M.A.
Thomas Jostlein, M.M.
David Kowalczyk, M.M.
Julie Leonhardt, B.M.
Sue Martin, M.M.
Robert McNichols, D.M.A.
Ruth Mueller, Ph.D.
James Nacy, M.M.
Jennifer Nitchman, M.M.
Jonathan Reycraft, M.M.
Albert Rotola, S.J., Ph.D.
Wen Shen, M.M.
Mary Gay Spears, D.M.A
Ruth Stith, M.M.
Sue Stubbs, M.M.
Tom Stubbs, B.S.
Eric Warren, M.M.

Studio Art Full Time Faculty
Ted Wood, M.F.A.
Jim Burwinkel, M. Arch
Amy Bautz, M.F.A.
Sharron Pollack, M.F.A.
Nila Petty, M.F.A.
Martin Brief, M.F.A
Ilene Berman, M.F.A.

Studio Art Adjunct Faculty
Sage Dawson, M.F.A.
Peg Fetter, M.F.A.
Rebecca Grass, M.F.A.
David Johnson, M.F.A.
Terri Shay, M.F.A.

Theatre Full Time Faculty
Jim Burwinkel, M. Arch
Gary W. Barker, M.F.A. (AEA, SAG-AFTRA)
Thomas Martin, M.F.A. (AEA)
Lou Bird, M.F.A.
Nancy Bell, M.F.A. (AEA, SAG-AFTRA)
Mark Wilson, M.F.A.
Dan Giedeman, M.F.A.

Theatre Adjunct Faculty
L. Patton Chiles, M.F.A. (AEA)
Peter Hanrahan, M.F.A.
Lindsay Hawkins, M.F.A.
Holly Seitz-Marchant, M.F.A.
Larry Schmidt, Ph.D.

BACHELOR OF ARTS IN ART HISTORY

Program Highlights
Through Saint Louis University's undergraduate program in art history, students learn the essential skills of critical analysis, research and communication through examination of the social context in which art was historically — and continues to be — created. The art history faculty members offer a broad field of study that ranges from the earliest civilizations, the Western canon of art and the art of world cultures to the
beginnings of modernity and the most current movements in contemporary art.

Art history is an interdisciplinary field which incorporate essential skills from a variety of humanities disciplines such as history, philosophy, theology and economics, and students analyze artworks and the societies that have affected the disciplines.

Additional highlights include:
+ In the Jesuit tradition, Art History faculty at SLU educate the whole person about humanistic values as expressed through the history of art.
+ At SLU, art history courses offer intimate class sizes with individualized attention from faculty.
+ SLU art history students engage with arts and cultural institutions locally and nationally through class visits, field trips, internships and employment.

Curriculum Overview
A Bachelor of Arts in Art History from Saint Louis University provides students an in-depth study of the art world. By designing curriculum to cover a wide-range of art, students have the opportunity to delve deeper into their specific periods of interest.

Each student receives a strong, balanced foundation in the study of global traditions in art history through a series of core courses. Faculty have fashioned this curriculum to develop essential art historical methodologies such as critical analysis, social history and semiotics, among others.

To earn a B.A. in Art History, students must complete 36 credits of required coursework. Eighteen of the 38 credits must be from the 3000/4000-level courses.

Students can also minor in art history. The minor curriculum provides a general introduction to Western art history, complementing a major in a different field through its emphasis on understanding the visually based world.

To earn a minor in art history, students must complete 18 credits of coursework, with nine credits coming from the 3000/4000 level.

Fieldwork and Research Opportunities
Students are not limited to the classroom. They take advantage of the active arts community at the University and in the surrounding St. Louis area. Museums such as the Cupples House and the Museum of Contemporary Religious Art are located on the Saint Louis University campus and offer students a hands-on chance to experience the artists and periods they discover in the classroom. The recently renovated Saint Louis Art Museum and numerous other galleries are all within a 10-mile radius of campus.

Many majors choose to explore new perspectives in art through internships. The program offers students internship opportunities in the St. Louis area and across the country, including many prominent galleries and museums. As interns, students work within the professional art community. Outside the classroom, art history majors experience firsthand what a career in the arts can hold — preparing exhibitions, curating collections and even planning and presenting lectures and tours for the public.

Careers
Benefits of this program also include several internship and career opportunities. Art history students have great opportunities, both on and off campus, for a variety of internships, both in the St. Louis region and nationally. On campus, the Samuel Cupples House and the Saint Louis University Museum of Art hire interns regularly. The Missouri Historical Society and the Saint Louis Art Museum are just two of many local institutions that work with students. SLU students have also held internships in Washington, D.C., at the National Gallery of Art and at the Smithsonian. Additionally, research opportunities exist at major libraries and archives.

Many SLU graduates in art history have continued their studies in internationally recognized graduate programs. Others work in art-related institutions such as galleries, auction houses and museums, as well as in marketing, advertising, law, journalism and other fields that require understanding of the visually based culture and the ability to express intelligent, well-researched opinions. All have developed skills in critical thinking and communication that aid them in pursuing the career of their choice.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Introductory course (3 credits)
ARTH 1010 History of Western Art

Research course (3 credits)
ARTH 4900 Research Methods in Art History

Global Arts (3 credits)
ARTH 2100 Art of Jerusalem & Three Faiths
ARTH 2120 Survey of Art in Africa Since Prehistory
ARTH 2140 Islamic Art and Society
ARTH 2320 Art of the African Diaspora
ARTH 2350 Excavating Culture of Three Faiths
ARTH 3140 Islamic Art: Advanced Studies

Studio Art (3 credits)
ART2000-level studio elective

Elective Credits (21 credits)
Chosen from the following categories with a minimum of 9 credits in either category

Art produced BEFORE 1800 (9-12 credits)
ARTH 1020 History of Architecture
ARTH 1500 Life and Times of Michelangelo
ARTH 2100 Art of Jerusalem and 3 Faiths
ARTH 2120 Art of Africa
ARTH 2140 Islamic Art and Society
ARTH 2150 Saints in Art
ARTH 2160 History of Spanish Art
ARTH 2200 The Art of Rome
ARTH 2300 Ancient Art Survey
ARTH 2320 Art of the African Diaspora
ARTH 2350 Excavating Culture of 3 Faiths
ARTH 1450 Art of Pilgrimage and Crusades
ARTH 2410 Arts of Cathedrals and Kings
ARTH 2500 Renaissance Art Survey
ARTH 2510 High Renaissance Art in Italy
ARTH 2800 Baroque and Rococo Art Survey
ARTH 3140 Islamic Art: Advanced Studies
ARTH 3450 Art of Pilgrimage and Crusades: Advanced
ARTH 3410 Arts of Cathedrals and Kings: Advanced
ARTH 3500 Early Renaissance Art
ARTH 3510 High Renaissance Art in Italy: Advanced
ARTH 3520 Northern Renaissance Art
ARTH 3890 Golden Age of Spanish Art
ARTH 4930 Special Topics: General

Art produced AFTER 1800 (9-12 credits)
ARTH 1020 History of Architecture
ARTH 2020 Sculpture in Saint Louis
ARTH 2050 Controversy in Art
ARTH 2120 Survey of Art in Africa Since Prehistory
ARTH 2180 History of Spanish Art

ARTH 2190 The Art and History of Madrid
ARTH 2220 Introduction to African American Art
ARTH 2320 Art of the African Diaspora
ARTH 2700 American Art: Colonial to WWI
ARTH 2710 American Art World War II to the Present
ARTH 2760 Nineteenth Century Art Survey
ARTH 2800 Modern Art Survey
ARTH 2920 Contemporary Art Since 1980
ARTH 3700 American Art: Colonial to WWI
ARTH 3710 American Art World War II to the Present: Advanced Studies
ARTH 3740 American Art Between the World Wars
ARTH 3750 Nineteenth Century Art Survey
ARTH 3800 Twentieth Century Art
ARTH 3880 History of Photography
ARTH 4800 Contemporary Art
ARTH 4810 Modern Art in Latin America
ARTH 4850 Religious Dimensions in Modern Art

Optional Internship (3 credits)
ARTH 4910 Internship

TOTAL CREDITS: 36

AP and Transfer Policies

No more than 12 credits of transfer credit may be applied to fulfill specific courses or electives within the 36 credits required for a major in art history. No more than six credits of transfer credit may be applied to specific courses or elective courses towards the completion of the 18 credits required for a minor in art history.

Advanced Placement credit cannot be counted toward the art history major at SLU.

Students with an AP score of four will be assigned three credits for ARTH 1110: History of Western Art I. Students with an AP score of five will be assigned six credits for ARTH 1110: History of Western Art I and ARTH 1120: History of Western Art II.

Continuation Standards
A student must maintain a C average in major courses.

BACHELOR OF ARTS IN MUSIC

Program Highlights

The department of fine and performing arts is an integral part of Saint Louis University. In the arts, one finds truth, beauty and the celebration of God's creation. Because the arts reflect the world around us, they provide an excellent opportunity to study humanity, aesthetics and cultural values together with theory and practice.

The music program is located in Xavier Hall and contains classrooms, teaching studios, rehearsal spaces and practice rooms available to currently enrolled music students. SLU will soon be an all-Steinway school, gradually replacing its old instruments with an armada of new Steinway pianos over the coming years.

Popular performing ensembles accessible to the entire SLU community include the University Chorale, Mastersingers, string orchestra, concert band, pep band and jazz ensemble as well as smaller ensembles.
for guitarists, pianists and string quartets.

Additional performance opportunities for advanced student musicians include the Saint Louis Youth Orchestra, Symphony Chorus, Union Avenue Opera, Winter Opera Saint Louis and the American Kantorei.

Additional highlights include:
+ SLU is on its way to reaching the goal of becoming an All-Steinway School.
+ SLU has several performing groups for students to join including the University Chorale, Mastersingers, string orchestra, concert band, pep band, jazz ensemble, guitar ensemble, piano ensemble and string quartets.
+ Double majoring in music is possible with most other majors at SLU.
+ Just a short walk brings students to an array of venues such as the Fabulous Fox Theater, Chaifetz Arena and Powell Symphony Hall where students can listen to the world-class St. Louis Symphony Orchestra.

Curriculum Overview
The music program at Saint Louis University awards a B.A. in Music, with a concentration in music performance or music studies. This liberal arts degree enables SLU graduates to pursue further degrees in music performance, music education or musicology at other institutions. In addition, the music program offers performance and study opportunities for all interested SLU students through private lessons, studio classes, courses in music theory and literature, and participation in ensembles. Every semester, the program presents a varied series of concerts, recitals, lectures and masterclasses by students, faculty and guest artists. All concerts and recitals are free and open to the public.

The music curriculum provides a solid background in theory, history and performance, as well as participation in University vocal or instrumental groups. All classes, lessons and ensembles are open to the entire SLU community, regardless of major.

At the end of the second semester of study at SLU, students may select either the music performance or music studies concentration. Both options require a minimum of 40 credits in music courses for graduation. Both concentrations are identical in course work with the exception of work done in the junior and senior years. Students pursuing the performance concentration work toward a junior and senior recital. Students pursuing the music studies concentration engage in research their junior and senior years culminating in a senior capstone presentation of that research.

Careers
Benefits of this program include several career opportunities. During their time in the music program, students have found positions at summer music camps, interned at musical theatre and opera companies, worked in local box office venues, taught private lessons and performed in venues across St. Louis. Graduates of the Saint Louis University music program have gone on to graduate study and careers in:
+ Music management and business
+ Music education
+ Music Performance
+ Religious music programming
+ Music therapy.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Music Majors
All prospective music majors at SLU must audition for admission to the program. Admission to SLU's music program is based on musicianship, talent and background training.

Live auditions are scheduled in November and February, but students may request auditions at other times. To schedule an audition, contact the department at arts@slu.edu.

Students who are unable to audition on-campus may also submit an audition via the Get Acceptd app.

Satisfactory performance qualifies applicants for a one-year award from the Father Guentner Fund, which covers private lesson fees on the major instrument. Exceptional performance at the audition may qualify applicants for the Music Talent Scholarship.

Please bring an updated list of the repertoire studied to the audition, as well as extra copies of the audition music. On the repertoire sheet, include titles,
identifying opus numbers/keys, composers, significant technical studies, recent performances, and teachers' names. This repertoire list may form part of a more complete student resume.

**Planists**
Prepare three memorized works from contrasting style periods (i.e., Baroque, Classical, Romantic, Impressionist, 20th Century). The pieces played should be at least at intermediate level in difficulty, such as Bach Two-Part Inventions, Clementi sonatinas, and the Debussy Arabesques. Students interested in the degree's performance option (which requires preparation of junior and senior recitals) should be playing works at the early advanced level, such as Bach's French/English Suites, Mozart sonatas, and Brahms rhapsodies.

**Singers**
Prepare three memorized songs in at least two languages from contrasting stylistic periods. An accompanist will be provided.

**Instrumentalists**
Perform three works of contrasting style periods. An accompanist will be provided, if necessary

**Scholarships and Financial Aid**
There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses (22 Credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 2270</td>
<td>Music Theory I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2271</td>
<td>Aural Skills I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2280</td>
<td>Music Theory II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2281</td>
<td>Aural Skills II</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2500</td>
<td>Class Piano I</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 2510</td>
<td>Class Piano IV</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 3270</td>
<td>Music Theory III</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3271</td>
<td>Aural Skills III</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 3300</td>
<td>History of Music I</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3310</td>
<td>History of Music II</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 4410</td>
<td>Conducting</td>
<td>2</td>
</tr>
</tbody>
</table>

*Many music majors may need to take Class Piano I and II (MUSC 2500 and MUSC 2510) before enrolling in MUSC 2600 and MUSC 2810. However, students with significant piano background may be able to test out of some or all of the piano classes leading to the proficiency exam. All music majors must pass the Piano Proficiency Exam, which is the final examination of MUSC 2510, by the end of their junior year.

**Music Elective Courses (6 Credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUSC 1160</td>
<td>History of Jazz</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1170</td>
<td>World Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1180</td>
<td>Music of the African Diaspora</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 1190</td>
<td>World Music</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2280</td>
<td>Music Computer Skills</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2300</td>
<td>Intro to Music Therapy</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 2380</td>
<td>Music Literature Seminar</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3320</td>
<td>Music Since 1900</td>
<td>3</td>
</tr>
<tr>
<td>THR 3510</td>
<td>Musical Theatre Performance</td>
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</table>

**Applied Music Credits (10 Credits)**

<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>MUSC 2010</td>
<td>Applied Music I</td>
<td>1-2</td>
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<tr>
<td>MUSC 2020</td>
<td>Applied Music II</td>
<td>1-2</td>
</tr>
<tr>
<td>MUSC 2030</td>
<td>Applied Music II</td>
<td>1-2</td>
</tr>
<tr>
<td>MUSC 2040</td>
<td>Applied Music II</td>
<td>1-2</td>
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<tr>
<td>MUSC 2050</td>
<td>Applied Music II</td>
<td>1-2</td>
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<tr>
<td>MUSC 2060</td>
<td>Applied Music II</td>
<td>1-2</td>
</tr>
<tr>
<td>MUSC 2070</td>
<td>Applied Music II</td>
<td>1-2</td>
</tr>
<tr>
<td>MUSC 2100</td>
<td>Applied Music II</td>
<td>1-2</td>
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</table>

**Performance Ensembles (4 semesters)**

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<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 3410</td>
<td>Chamber Music Ensemble</td>
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</tr>
<tr>
<td>MUSC 3420</td>
<td>University Chorale</td>
<td>0-1</td>
</tr>
<tr>
<td>MUSC 3440</td>
<td>University Mastersingers</td>
<td>0-1</td>
</tr>
<tr>
<td>MUSC 3450</td>
<td>Jazz Ensemble</td>
<td>0-1</td>
</tr>
<tr>
<td>MUSC 3460</td>
<td>String Ensemble</td>
<td>0-1</td>
</tr>
<tr>
<td>MUSC 3470</td>
<td>Pep Band</td>
<td>0-5</td>
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<tr>
<td>MUSC 3480</td>
<td>Guitar Ensemble</td>
<td>0-1</td>
</tr>
<tr>
<td>MUSC 3490</td>
<td>Concert Band</td>
<td>0-1</td>
</tr>
<tr>
<td>MUSC 3500</td>
<td>Piano Ensemble</td>
<td>0-1</td>
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</table>

†Four semesters of an ensemble are required for the degree. Ensemble participation is required every semester in order to maintain music scholarships.

**Other Course Requirements (2 credits)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MUSC 3840</td>
<td>Junior Research Methods</td>
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<tr>
<td>MUSC 4840</td>
<td>Senior Capstone</td>
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</tbody>
</table>

**Performance Concentration**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUSC 3850</td>
<td>Junior Recital</td>
<td>1</td>
</tr>
<tr>
<td>MUSC 4850</td>
<td>Senior Recital</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 40**

**Non-Course Requirements**

**Recital Attendance (every semester)**

**Continuation Standards**
To maintain the Music Major, students must:

- Enroll as at least a half-time student according to University guidelines, showing progress toward the BA degree in both Core and music courses.
- Maintain an overall SLU grade point average of 2.5.
- Maintain a grade point average of 3.0 or better in all Music coursework.
- Enroll in an ensemble each semester.
- Recital Attendance including attendance at Music Program events.
- Perform in at least one student recital per semester.

Students studying abroad or involved in a SLU-approved internship requiring them to enroll for less than half-time may be exempted from the on-campus requirements for ensembles, recitals, and Recital Attendance for one semester.

If a student fails to meet the criteria listed above, he or she will be on probation in the Music Program. A student may remain on probation for no more than two consecutive semesters and a student may not be on
understanding of artmaking. Instruction helps students develop perceptual skills and expand their knowledge of the visual arts. Through hands-on experience, students explore their individual abilities and learn about the world. Connections across disciplines and cultural differences help students gain a conceptual and intellectual framework for their art. Students leave with a portfolio of work and an appreciation of the development of their own values and creative skills as well as an understanding of processes, expressions and values of others.

Saint Louis University houses two nationally recognized art museums: the Saint Louis University Museum of Art (SLUMA) and the Museum of Contemporary Religious Art (MOCRA). SLU students, faculty and visiting artists display work in the McNamee Art Gallery, located on the ground floor of historic Cupples House. SLU is near the Grand Center Arts district where the Contemporary Art Museum and the Pulitzer are located. The Saint Louis Art Museum, located in Forest Park less than two miles from campus, is one of the nation's leading comprehensive art museums.

Additional highlights include:

+ Studio art at Saint Louis University provides an opportunity to gain artistic skill and knowledge in a wide variety of artistic media within the rigorous and supporting framework of a Catholic, Jesuit University.
+ All courses offered in the studio art program are taught by student-focused faculty, not graduate assistants. That means all majors and minors in studio art will study and interact directly with the faculty, active and professional members of their artistic field.
+ A Bachelor of Arts in studio art at Saint Louis University may be taken as a pre-professional degree, with paths in pre-physician assistant, pre-med, pre-dental, pre-optometry, pre-podiatry and pre-veterinary medicine.

Curriculum Overview

Courses are offered in ceramics, computer art, drawing, fibers, graphic design, metals, painting, photography, printmaking and sculpture. Studio art majors can concentrate in these emphasis areas: ceramics, sculpture, computer art, drawing, graphic design, painting and printmaking.

The studio art curriculum engages students at the fundamental levels of vision, thought and practice in the visual arts. Through hands-on experience, students develop perceptual skills and expand their understanding of artmaking. Instruction helps students enhance their studio skills and the process of making art fosters an investigation of personal beliefs and spiritual reflection. Critical thinking and problem solving are shared in a group environment during classroom critiques and studio projects, encouraging respectful interaction and intellectual development.

The B.A. in studio art requires 36 credits in foundational courses, an emphasis area with upper-division studios, studio art electives, studio seminars, portfolio reviews and art history classes.

After completion of early coursework, students majoring in studio art will choose from one of seven emphases:

+ Ceramics
+ Sculpture
+ Computer Art
+ Drawing
+ Graphic Design
+ Painting
+ Printmaking

Fieldwork and Research Opportunities

Benefits of this program include several internship and career opportunities. Students may take advantage of opportunities for real-world art experience through internships at graphic design companies, museums, galleries, magazines, newspapers and Internet-based retailers. Students may use Saint Louis University's career services office as a resource for internships. They may also use their studio art faculty mentor as a resource or find internships through their personal connections. Internships may be done solely for a student's own experience or for academic credit.

Careers

Students with a B.A. in studio art may pursue further studies in Master of Arts or Master of Fine Arts programs, work in galleries or museums, and work as designers, consultants, professional artists or art educators. Graduates may also apply their creative skills to other fields.

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

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are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Portfolios
Admission as a studio art major requires a successful portfolio review. Applicants register and submit their portfolio on SlideRoom. Portfolios should have 12 to 15 examples of artwork representing a range of interests and skills, including observation-based drawing. SlideRoom charges applicants a $10 transaction fee to submit a portfolio.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

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Program Requirements

Foundations Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ART 2000 Drawing I</td>
<td>3</td>
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<tr>
<td>ART 2100 Design</td>
<td>3</td>
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<tr>
<td>ART 2120 Three Dimensional Design</td>
<td>3</td>
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<tr>
<td>ART 2150 Color Theory</td>
<td>3</td>
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Studio Foundation Seminars (3 credit)

<table>
<thead>
<tr>
<th>Seminar</th>
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<tr>
<td>ART 2800 Studio Freshman Seminar</td>
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<tr>
<td>ART 3800 Studio Sophomore Seminar</td>
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<tr>
<td>ART 4800 Studio Senior Seminar</td>
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2000-level Outside Concentration (6 credits)

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<th>Course</th>
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<tr>
<td>ART 2200 Painting I</td>
<td>3</td>
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<tr>
<td>ART 2300 Printmaking</td>
<td>3</td>
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<tr>
<td>ART 2400 Ceramic I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2450 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 2480 Fibers and Textiles</td>
<td>3</td>
</tr>
<tr>
<td>ART 2480 Jewelry and Metalsmithing</td>
<td>3</td>
</tr>
<tr>
<td>ART 2500 Computer Art I</td>
<td>3</td>
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<tr>
<td>ART 2600 Photography I</td>
<td>3</td>
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<tr>
<td>ART 2700 Graphic Design I</td>
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<td>ART 2800 Studio Freshman Seminar</td>
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<tr>
<td>ART 2860 Independent Study</td>
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Studio Emphasis (9 credits)

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<th>Emphasis</th>
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<tr>
<td>Ceramics</td>
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<tr>
<td>Computer Art</td>
<td>3</td>
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<tr>
<td>Drawing</td>
<td>3</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>3</td>
</tr>
<tr>
<td>Painting</td>
<td>3</td>
</tr>
<tr>
<td>Printmaking</td>
<td>3</td>
</tr>
<tr>
<td>Sculpture</td>
<td>3</td>
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<tr>
<td>Art History Courses (6 credits)</td>
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<tr>
<td>ARTH 1080 Masterpieces in Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 1090 Global Masterpieces in Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 1500 Life and Times of Michelangelo</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2070 Art and the Body</td>
<td>3</td>
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<td>ARTH 2100 Art of Jerusalem and 3 Faiths: Past and Present</td>
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<tr>
<td>ARTH 2120 Survey of Art in Africa Since Prehistory</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2140 Islamic Art and Society</td>
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<td>ARTH 2150 Saints in Art</td>
<td>3</td>
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<td>ARTH 2200 Art in Rome</td>
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<td>ARTH 2300 Ancient Art Survey</td>
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<td>ARTH 2320 Art of the African Diaspora</td>
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<td>ARTH 2350 Excavating Culture of 3 Faiths</td>
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<td>ARTH 2500 Renaissance Art Survey</td>
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<td>ARTH 3500 Early Renaissance Art</td>
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<tr>
<td>ARTH 3510 High Renaissance Art in Italy: Advanced</td>
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<td>ARTH 3520 Northern Renaissance Art</td>
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<tr>
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<td>ARTH 2070 Art and the Body</td>
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<td>ARTH 2120 Survey of Art in Africa Since Prehistory</td>
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Through mentoring and advising from faculty, students work together, pushing each other to new levels of learning. They learn to clearly and appropriately present their imaginative ideas to others and explore their creativity. Most importantly, students develop a collective responsibility and commitment to their work.

The collaborative efforts don’t end in the classroom. Through faculty connections, many students find auditions among the 30 professional theatres around St. Louis, including the Fabulous Fox Theatre, located in the Grand Arts Center one block from campus; the newly renovated Peabody Opera House; and the Muny, America’s oldest and largest outdoor musical theater. By branching into these communities, students enhance their education by encountering new perspectives and new roles.

Additional highlights include:

+ The theatre program at SLU creates an educational experience based on the combination of theoretical classroom explorations and practical production of plays.
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+ Each semester the theatre program produces a season of plays, challenging students to consider diverse values, viewpoints and expressions of the creative imagination.

Curriculum Overview

The program and core curriculum provide students with the educational foundation for success in careers inside and outside of theatre.

In keeping with the liberal arts focus of Saint Louis University and a long tradition of undergraduate theatre education, company members are expected to develop a basic level of proficiency and practical knowledge in all aspects of theatre while also completing the required core curriculum within the College of Arts and Sciences. The formation of a company highlights the collaborative nature of theatre and the importance of shared commitment and responsibility in pursuit of a goal.

The Theatre major requires 36 credits of specialized classes that explore the theoretical, technical and performance aspects of the discipline. Students take three classes in theatre fundamentals, six classes in practical theatre skills and an additional three classes in advanced and applied skills. The applied skills courses can include classes in music performance and dance.

Fieldwork and Research Opportunities

The University Theatre stages four full-length plays on the 400-seat proscenium main stage and a variety of plays in the 70-seat studio theatre. Every theatre major is involved in some way with each production. Theatre majors and minors form a company of actors, designers and technicians that is responsible, with the mentorship

BACHELOR OF ARTS IN THEATRE

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and participation of faculty and staff, for all aspects of each work.

Benefits of this program also include several internship and career opportunities. Students participate in the Midwest Theatre Auditions and other local auditions for summer theatre jobs and internships with organizations across the country. Students pursue local employment and internship opportunities with the Repertory Theatre of St. Louis, the St. Louis Black Repertory Company, Opera Theatre St. Louis, the Muny Theatre and other professional organizations.

Careers
Graduates have worked in 30 professional theaters in and around St. Louis, including the Fabulous Fox Theatre, located in the Grand Center arts district one block campus; the newly renovated Peabody Opera House; and the Muny, America's oldest and largest outdoor musical theater.

Alumni from the theatre program work in professional theatre, feature films, television productions, commercials and other venues where actors, playwrights, directors, designers and theatrical craftspersons are needed. Graduates are also able to use their skills in non-theatrical fields such as law, training, sales, marketing and other careers where presentation skills are key.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (24 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THR</td>
<td>1500 Introduction to Theatre</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>2200 Survey of Theatre Design</td>
<td>3</td>
</tr>
<tr>
<td>THR</td>
<td>2510 Acting I: Fundamentals</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>2520 Stagecraft</td>
<td>3</td>
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<td>THR</td>
<td>3500 Playscript Analysis</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>3550 Theatre Practicum (Majors must complete and pass 6 semesters)</td>
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<tr>
<td>THR</td>
<td>3800 Professional Theatre - Career Prep</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>3700 Directing I</td>
<td>3</td>
</tr>
<tr>
<td>THR</td>
<td>4510 Survey of Theatre History</td>
<td>3</td>
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</tbody>
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Theatre Elective Courses (12 credits)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THR</td>
<td>2400 Page to Stage</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>2500 Costume Construction</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>2530 Acting II: Rehearsal &amp; Performance</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>2540 Voice and Diction</td>
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<tr>
<td>THR</td>
<td>2580 Movement for the Theatre</td>
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<tr>
<td>THR</td>
<td>2580 Makeup for the Stage</td>
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<tr>
<td>DANC</td>
<td>2830 Modern Movement/Dance (Madrid Only)</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>2700 Exploring U.S. Diversity in Theatre</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>3510 Musical Theatre Performance</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>3520 Advanced Acting: Auditioning</td>
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<tr>
<td>THR</td>
<td>3910 Theatre Management</td>
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<tr>
<td>THR</td>
<td>3920 Stage Management</td>
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<tr>
<td>THR</td>
<td>4500 Costume and Scene Design</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>4540 Lighting and Sound Design</td>
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<tr>
<td>THR</td>
<td>4570 Advanced Acting: Scene Study</td>
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<tr>
<td>THR</td>
<td>4590 Advanced Acting: Period Styles</td>
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<tr>
<td>THR</td>
<td>4800 Professional Internship</td>
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<tr>
<td>THR</td>
<td>4820 Adv. Acting: Acting for the Camera</td>
<td>3</td>
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<tr>
<td>THR</td>
<td>4700 Directing II</td>
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</table>

TOTAL CREDITS: 36

For students who intend to major in theatre:
+ A total of 18 credits of theatre coursework may be accepted toward the major requirements.
+ An audition or portfolio review/interview with a full-time theatre faculty member is required prior to final articulation of credits toward the major.
+ Theatre credits may be accepted that do not articulate as fulfilling a major requirement. These credits may be applied as related credits or as elective credit toward graduation.
+ A minimum of 3 semesters of THR 3550 Theatre Practicum is required to be successfully completed. The transfer student will be required to complete one less semester of THR 3550 Theatre Practicum than the expected semesters required to complete graduation requirements. For example, if a student's program of study requires 4 semesters at
SLU prior to graduation, 3 semesters of THR 3650 must be successfully completed. This requirement will be articulated at the time of matriculation into the program.

In general, practicum or internship theatre credits may not be used to fulfill the Fine Arts Core Requirement within the College of Arts and Sciences.

Non-Course Requirements
All Studio Art majors must submit a portfolio of artwork for faculty review during the semester that 13 credits of Studio Art courses will be completed. These 13 credits should include ART 2800, at least three of the required four courses of ART Foundation Core (or another 2000-level studio art course.) Portfolio Review should occur no later than the second semester of sophomore status (or, in extenuating cases, the first semester of junior status with faculty mentor approval). In order to graduate with a major in Studio Art, students must pass the Portfolio Review.

After successfully passing the Portfolio Review, majors choose an emphasis area and enroll in 3000-level classes. The Studio Emphasis areas are Drawing, Painting, Ceramics/Sculpture, Printmaking, Computer Art, and Graphic Design.

† Since Drawing I is part of ART Foundation core, a related studio course is added to the Drawing Emphasis 2000-, 3000-, 4000-level sequence.

Community Participation
Studio Art majors are expected to actively participate in the SLU art community by submitting work to all student art exhibitions and helping to host these exhibitions.

Continuation Standards
All Theatre major/minor courses must be completed with a grade of C or higher in order to count for Theatre major/minor requirements and to continue in the major/minor.

MINOR IN ART HISTORY

Program Requirements
A total of 18 credits are required, 9 of which must be at 3000-level or 4000-level.

Introductory Course (3 credits)
ARTH 1000 Approaching the Arts
ARTH 1040 Art and Film
ARTH 1080 Masterpieces in Art
ARTH 1090 Global Masterpieces in Art

Studio Art or 3000/4000-level Art History Elective (3 credits)
ART 2000 Drawing I
ART 2100 Design
ART 2200 Painting I
ART 2300 Printmaking I
ART 2400 Ceramic Sculpture I
ART 2500 Computer Art I
ART 2600 Photography I
ART 3000 Drawing II
ARTH 3xxx 3000-level Art History course

Elective Credits (8 credits)

Art produced BEFORE 1800 (9-12 credits)
ARTH 1020 History of Architecture
ARTH 1500 Life and Times of Michelangelo
ARTH 2100 Art of Jerusalem and 3Fs faiths
ARTH 2120 Art of Africa
ARTH 2140 Islamic Art and Society
ARTH 2150 Saints in Art
ARTH 2180 History of Spanish Art
ARTH 2200 The Art of Rome
ARTH 2300 Ancient Art Survey
ARTH 2320 Art of the African Diaspora
ARTH 2350 Excavating Culture of 3Fs faiths
ARTH 1450 Art of Pilgrimage and Crusades
ARTH 2410 Arts of Cathedrals and Kings
ARTH 2500 Renaissance Art Survey
ARTH 2510 High Renaissance Art in Italy
ARTH 2600 Baroque and Rococo Art Survey
ARTH 3140 Islamic Art: Advanced Studies
ARTH 3410 Art of Pilgrimage and Crusades: Advanced
ARTH 3410 Arts of Cathedrals and Kings: Advanced
ARTH 3500 Early Renaissance Art
ARTH 3510 High Renaissance Art in Italy: Advanced
ARTH 3520 Northern Renaissance Art
ARTH 3830 Golden Age of Spanish Art
ARTH 4930 Special Topics: General

Art produced AFTER 1800 (9-12 credits)
ARTH 1020 History of Architecture
ARTH 2020 Sculpture in Saint Louis
ARTH 2050 Controversy in Art
ARTH 2120 Survey of Art in Africa Since Prehistory
ARTH 2180 History of Spanish Art
ARTH 2180 The Art and History of Madrid
ARTH 2220 Introduction to African American Art
ARTH 2320 Art of the African Diaspora
ARTH 2700 American Art: Colonial to WWII
ARTH 2710 American Art World War II to the Present
ARTH 2750 Nineteenth Century Art Survey
ARTH 2800 Modern Art Survey
ARTH 2820 Contemporary Art Since 1980
ARTH 3700 American Art: Colonial to WWII
ARTH 3710 American Art World War II to the Present: Advanced Studies
ARTH 3740 American Art Between the World Wars
ARTH 3750 Nineteenth Century Art Survey
ARTH 3800 Twentieth Century Art
ARTH 3880 History of Photography
ARTH 4800 Contemporary Art
ARTH 4810 Modern Art in Latin America
ARTH 4850 Religious Dimensions in Modern Art

3 credits Capstone Research course or any 400-level course
ARTH 4000 Internship
ARTH 4700 19th Century French Painting
ARTH 4800 Contemporary Art
ARTH 4810 Modern Art in Latin America
ARTH 4850 Religious Dimensions of Modern Art
ARTH 4900 Research Methods
ARTH 4930 Special Topics

TOTAL CREDITS: 18

Continuation Standards
A student must maintain a C average in minor courses.

MINOR IN DRAMA STUDIES

Overview
The Drama Studies Minor is a collaboration among the
Departments of Fine and Performing Arts, English, and Modern and Classical Languages. It is designed to offer students a concentration of drama in all genres and eras. It provides preparation for careers in dramaturgy, literary management, and drama criticism. Those completing the Drama Studies Minor may find themselves engaged in assisting the creation of new dramatic works, literary/production research and development, arts in education, and/or arts advocacy.

Working in professional theatres, in colleges and universities, and on a project-by-project basis, dramaturgs and literary managers contextualize the world of play; establish connections among the text, actors, and audience; offer opportunities for playwrights; generate projects and programs; and create conversations about plays in their communities.

Dramaturgs and literary managers forge a critical link between artists and institutions and their communities. They work with other artistic collaborators to hone the vision focus the goals and find outlets for the creative work on a new and classical plays, operas, and dance pieces. Dramaturgs and literary managers serve as experts on the dramatic past and as advocates for writers of today and the important work of the future.

While an internship is not required for successful completion of the Drama Studies Certificate, opportunities are available and highly recommended. The application of classroom skills to real world goals through an internship provides an excellent transition from the academic to the professional world.

Program Requirements

Students may count no more than 6 credits of their Minor toward an academic major.

Prerequisites to Acceptance (3 Credits)

THR 1500 Introduction to Theatre 3

OR

THR 2400 Page to Stage 3

Elective Category 1 (6 Credits)

THR 2700 Exploring U. S. Diversity in Theatre 3

THR 3500 Playscript Analysis 3

THR 4510 Theatre History I 3

THR 4520 Theatre History II 3

CMM 3150 Reviewing the Arts 3

CMM 4450 Culture, Technology & Communication 3

ENGL 4070 Advanced Creative Writing: Drama 3

Elective Category 2 (9 credits)

CLH 4370 Greek Tragedy: Origins and Form 3

ENGL 3470 Introduction to Shakespeare 3

ENGL 3430 Early Shakespeare 3

ENGL 3420 Shakespeare: Special Topics 3

ENGL 4330 Renaissance Drama 3

ENGL 4760 American Drama 3

FREN 4510 Early Modern French Theatre: Comedy, Tragedy, and Mystery 3

FREN 4520 French Drama: 18th Century to the Romantique 3

FREN 4540 French Drama: 20th Century 3

FREN 4550 Seminar on Moliere 3

SPAN 4580 Golden Age Drama 3

SPAN 4720 Twentieth Century Spanish Drama 3

TOTAL CREDITS: 18

Continuation Standards

All Drama Studies courses must be completed with a grade of C or higher in order to count for the minor and to continue in the minor.

MINOR IN MUSIC

Program Requirements

Piano (1 Credit)

MUSC 1260 Class Piano I 1

MUSC 1270 Class Piano II 1

MUSC 2020 Applied Music Piano 1

MUSC 2500 Class Piano III 1

MUSC 2510 Class Piano IV 1

Applied Music Credits (4 Credits)

MUSC 2010 Applied Music: Voice 1-2

MUSC 2020 Applied Music: Piano 1-2

MUSC 2030 Applied Music: Guitar 1-2

MUSC 2040 Applied Music: Woodwinds 1-2

MUSC 2050 Applied Music: Brass 1-2

MUSC 2080 Applied Music: Strings 1-2

MUSC 2070 Applied Music: Percussion 1-2

Music Theory/History (14 Credits)

MUSC 2270 Music Theory I 3

MUSC 2271 Aural Skills I 1

MUSC 2280 Music Theory II 3

MUSC 2281 Aural Skills II 1

MUSC 3300 Music History I 3

MUSC 3310 Music History II 3

Music Elective Courses (3 Credits)

MUSC 1150 History of Jazz 3

MUSC 1170 World Music 3

MUSC 1180 Music of the African Diaspora 3

MUSC 1190 American Musical Mosaic 3

MUSC 2280 Music Computer Skills 3

MUSC 2300 Intro to Music Therapy 3

THR 3510 Musical Theatre Performance 3

MUSC 2380 Music Literature Seminar 3

MUSC 3270 Music Theory III 3

Performance Ensemble (3 Semesters)

MUSC 2100 Chamber Music Ensemble 0-1

MUSC 3420 University Chorale 0-1

MUSC 3440 University Mastersingers 0-1

MUSC 3450 Jazz Ensemble 0-1

MUSC 3480 String Ensemble 0-1

MUSC 3470 Pep Band 0-5

MUSC 3480 Guitar Ensemble 0-1

TOTAL CREDITS: 22

Continuation Standards

A student must maintain a C average in minor courses.

MINOR IN STUDIO ART

Program Requirements

Foundations Courses (12 credits)

ART 2000 Drawing I 3

ART 2100 Design 3

ART 2120 Three Dimensional Design 3

ART 2160 Color Theory 3

Studio Art Courses (6 Credits)

Students choose one of the sequences below

2000-level Sequence

Choose two 2000-level courses outside the Foundation Courses
### Ceramics Sequence
- ART 2400 Ceramic I 3
- ART 3400 Ceramics II 3

### Computer Art Sequence
- ART 2500 Computer Art I 3
- ART 3500 Computer Art II 3

### Drawing Sequence
Because ART 2000 is already required as a foundation course, drawing emphasis majors must complete a related studio area requirement.
- ART 3000 Drawing II 3

### Graphic Design Sequence
- ART 2700 Graphic Design I 3
- ART 3700 Graphic Design II 3

### Painting Sequence
- ART 2200 Painting I 3
- ART 3200 Painting II 3

### Printmaking Sequence
- ART 2300 Printmaking I 3
- ART 3300 Printmaking II 3

### Sculpture Sequence
- ART 2450 Sculpture I 3
- ART 3450 Sculptural II 3

### Art History Courses (3 credits)
- ARTH 1080 Masterpieces in Art 3
- ARTH 1090 Global Masterpieces in Art 3
- ARTH 1500 Life and Times of Michelangelo 3
- ARTH 2070 Art and the Body 3
- ARTH 2100 Art of Jerusalem and 3 Faiths: Past and Present 3
- ARTH 2120 Survey of Art in Africa Since Prehistory 3
- ARTH 2140 Islamic Art and Society 3
- ARTH 2150 Saints in Art 3
- ARTH 2200 Art in Rome 3
- ARTH 2300 Ancient Art Survey 3
- ARTH 2320 Art of the African Diaspora 3
- ARTH 2350 Excavating Culture of 3 Faiths 3
- ARTH 2500 Renaissance Art Survey 3
- ARTH 2510 High Renaissance Art in Italy 3
- ARTH 2600 Baroque and Rococo Survey 3
- ARTH 3010 Women in Art 3
- ARTH 3020 Christian Iconography 3
- ARTH 3140 Islamic Art and Society: Advanced Studies 3
- ARTH 3400 Art: Pilgrimage and Crusades: Adv 3
- ARTH 3410 Art of Cathedrals and Kings: Advanced 3
- ARTH 3500 Early Renaissance Art 3
- ARTH 3510 High Renaissance Art in Italy: Advanced 3
- ARTH 3520 Northern Renaissance Art 3
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- ARTH 2320 Art of the African Diaspora 3
- ARTH 2500 Modern Art Survey 3
- ARTH 2600 Contemporary Art Since 1880 3
- ARTH 2700 American Art: Colonial to WW II 3
- ARTH 2710 American Art: WWII to the Present 3
- ARTH 2750 Nineteenth Century Art 3
- ARTH 2800 Modern Art 3
- ARTH 2820 Contemporary Art Since 1880 3
- ARTH 3010 Women in Art 3
- ARTH 3700 American Art: Colonial to WW II: Advanced Studies 3
- ARTH 3710 American Art: WW II to Present: Advanced 3
- ARTH 3740 American Art Between the Wars 3
- ARTH 3805 Twentieth Century Art 3

ARTH 3880 History of Photography 3
- ARTH 4800 Contemporary Art 3
- ARTH 4850 Religious Dimensions in Modern Art 3
- ARTH 4910 Internship 3

**TOTAL CREDITS: 21**

### Continuation Standards
A student must maintain a GPA in coursework for the minor in Studio Art of at least 2.0.

### MINOR IN THEATRE

#### Program Requirements

**Required Courses (15 credits)**
- THR 1500 Introduction to Theatre 3
- THR 2610 Acting I: Fundamentals 3
- THR 2520 Stagecraft 3
- THR 2530 Acting II: Rehearsal & Performance 3
- THR 2540 Voice and Diction 3
- THR 2550 Movement for the Theatre 3
- THR 2560 Makeup for the Stage 3
- DANG 2830 Modern Movement/Dance (Madrid Only) 3
- THR 3510 Musical Theatre Performance 3
- THR 3620 Stage Management 3
- THR 3700 Directing I 3

**TOTAL CREDITS: 21**

For students who intend to minor in theatre:
+ A total of 5 credits of theatre course work may be accepted toward the minor requirements.
+ An audition or portfolio review/interview with a full-time theatre faculty member is required prior to final articulation of credits toward the minor.
+ Theatre credits may be accepted that do not articulate as fulfilling a minor requirement. These credits may be applied as elective credit toward graduation.
+ A minimum 2 semesters of THR 3550 Theatre Practicum is required to be successfully completed by the transfer applicant.

#### Continuation Standards
All Theatre major/minor courses must be completed with a grade of C or higher in order to count for Theatre major/minor requirements and to continue in the major/minor.
HEALTH CARE ETHICS
www.slu.edu/bioethics

LEADERSHIP
Jeffrey P. Bishop, M.D., Ph.D.
  Center Director and Department Chair
Erica K. Salter, Ph.D.
  Ph.D. Program Director

OVERVIEW
Established in 1979 to provide ethics education and consultations within the Saint Louis University School of Medicine, the Albert Gnaegi Center for Health Care Ethics has grown into an academic department with a multidisciplinary faculty with vibrant research, service programs and educational offerings.

The mission of the Center for Health Care Ethics is to prepare individuals for careers in academic, corporate, research and clinical bioethics settings.

The center's faculty are nationally recognized, teach the vast majority of courses and supervise all dissertations in the center. The main program objective is to prepare individuals for careers in academic, corporate, research and clinical bioethics settings.

Undergraduate Offerings
+ Minor in Health Care Ethics

Graduate Offerings
+ Doctor of Philosophy in Health Care Ethics

Faculty
Jeffrey P. Bishop, M.D., Ph.D.
Harold Braswell, Ph.D.
Stephanie Solomon Cargill, Ph.D.
Kelly Dineen, R.N. J.D., Ph.D.
Erica K. Salter, Ph.D.
Griffin Trotter, M.D., Ph.D.
Tobias Winright, Ph.D.

MINOR IN HEALTH CARE ETHICS

Overview
The minor in health care ethics allows students to examine some of the ethical questions that arise in the complex health care system. Students will discuss the definition of death, how to allocate donated organs, what is considered a disease and when to withdraw life-sustaining treatment.

Program Requirements
Students pursuing the minor must take HCE 2010 before or at the same time as any 4000-level courses. Three of the five courses for the minor must be at the 3000 or 4000 level.

Introductory Courses (3 credits)
HCE 2010 Found in Clinical HC Ethics  3
HCE 2020 Found in Catholic HC Ethics I  3

Elective Courses (12 credits)
HCE 3010 Ethics in Clinical Medicine  3
HCE 3200 Freaks and the Medical Body  3
HCE 4200 Warriors and Models  3
HCE 4210 Cont. in Death and Dying  3
HCE 4220 Cont. in Repro and Ped Ethics  3
HCE 4230 Cont. in Research Ethics  3
HCE 4250 Law and Bioethics  3
HCE 4280 Race and Research Ethics  3
HCE 4270 Organ Procurement + Transplant  3
HCE 4980 Independent Study  3

Students may take one Elective outside of the Center

TOTAL CREDITS: 15

Continuation Standards
A student must maintain a GPA in coursework for the minor in Health Care Ethics of at least 2.0.

DOCTOR OF PHILOSOPHY IN HEALTH CARE ETHICS

Program Highlights
Faculty from the center have influenced numerous bioethics debates in U.S. society, serving as consultants to the Nancy Beth Cruzan case, NASA, the Institute of Medicine, the United Network for Organ Sharing, the Agency for Healthcare Research and Quality and the Department of Health and Human Services. The faculty are well-respected in disaster relief ethics, clinical ethics, research ethics and integrity, as well as religion and medicine. The faculty are also recognized for their numerous publications in academic journals and internationally renowned books.

Curriculum Overview
The Doctor of Philosophy (Ph.D.) program presents an integrated, interdisciplinary curriculum in Health Care Ethics that prepares students to work as scholars, clinicians, and corporate ethicists. Students may tailor aspects of their coursework and their dissertation research to focus on biotechnological, clinical, organizational, or research ethics. Students pursuing the J.D./Ph.D., M.D./Ph.D., or the M.A./Ph.D. follow a modified curriculum.

Students with master's level or higher degrees complete 48 credits of coursework in four areas: foundations, context of health care, topics and scholars, and dissertation research. Student dissertations are on topics related to biotechnological, clinical, professional, organizational or research ethics.

Students admitted directly after receiving their bachelor's degree are required to complete an
additional 12 credits of coursework.

Fieldwork and Research Opportunities
Graduate students benefit from the rich archival and institutional resources available in St. Louis itself, including relationships with sites such as the Missouri Historical Society, the Jefferson National Expansion Memorial, the Circuit Court Records Project, the Pulitzer Foundation for the Arts, the Sheldon Galleries, the Contemporary Art Museum, the Saint Louis Art Museum, the Missouri Botanical Garden and the Historic Landmarks Association.

Careers
Students from the fields of law, medicine, nursing, public health, philosophy and religious studies have joined the Ph.D. program in Health Care Ethics. Graduates have been highly successful in finding excellent full-time positions both in the academy (teaching and conducting research in health care ethics) and in health care systems (as professional ethicists).

Admission Requirements
Students entering the Ph.D. program in Health Care Ethics will have an undergraduate or graduate degree in a relevant field, for instance philosophy, theology, a clinical field, social sciences or law. Successful applicants usually have a high GPA, high GRE percentiles (especially in the verbal and analytical writing categories), a strong normative writing sample and a demonstration of overall fit with the program’s educational objectives.

The Catholic Health Association has recommended that ethicists working in Catholic health care with an interdisciplinary Ph.D. degree should additionally hold an M.A. in Theology. It is strongly recommended that students who do not already hold an M.A. in theology complete the dual degree program, offered in collaboration with the Aquinas Institute of Theology. Alternately, students should plan on completing an M.A. prior to commencing work in Catholic health care.

Application Requirements
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Writing sample
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Deadline
Students who want to be considered for an assistantship must submit their application along with the request to be considered for an assistantship by Dec. 1.

Review Process
Applications are reviewed by a committee of faculty members from the Albert Gnaegi Center for Health Care Ethics.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Foundations of Health Care Ethics (9 credits)
HCE 6010 Methods in Philosophical Ethics 3
HCE 6020 Methods in Religious Ethics 3
HCE 6040 Interdisciplinary Research in Health Care Ethics 3

Foundations Elective (3 credits)
HCE 6050 Philosophical Foundations in Ethics 3
HCE 6060 Psychosocial Foundations in Ethics 3
HCE 6070 Foundations of Catholic Morality 3

Context of Health Care (9 credits)
HCE 6110 Intro-Medicine for Ethicists 1
LAW 8005 Bioethics and the Law 2
HCE 6130 Clinical Ethics 3
HCE 6140 Research Ethics 3

Concentration Requirements (15 credits)
HCE 6150 Practicum* 3
HCE 6980 Directed Readings* 3
* With a focus in area of concentration

Catholic Tradition Concentration
HCE 6070 Foundations of Catholic Morality 3
HCE 6310 Health Care Ethics in the Catholic Tradition 3
Catholic Tradition Elective 3

Empirical Research Methods Concentration
HCE 6520 Capstone in Empirical Research in Bioethics 3
Qualitative Methods Elective 6

Research Ethics Concentration
HCE 6140 Research Ethics 3
Research Methodology Elective 3
Health Care Ethics Elective 3

Dissertation Research (12 credits)
ASTD 6990 Dissertation Research 12

TOTAL CREDITS: 48

Bachelors Entry Option

Foundations of Health Care Ethics (9 credits)
HCE 6010 Methods in Philosophical Ethics 3
HCE 6020 Methods in Religious Ethics 3
HCE 6040 Interdisciplinary Research in Health Care Ethics 3

Foundations Elective (12 credits)
PUSH 5020 Ethical Issues in Public Health 3
HCE 6050 Philosophical Foundations in Ethics 3
HCE 6060 Psychosocial Foundations in Ethics 3
HCE 6070 Foundations of Catholic Morality 3

Context of Health Care (12 credits)
HCE 6110 Intro-Medicine for Ethicists 1
HCE 6120 Bioethics and the Law 2
Committee. The mere fact that a manuscript has been

receive final approval by the student's dissertation

for dissertations. However, when appropr

Health Care Ethics will follow the traditional guidelines

Ordinarily doctoral candidates in the Ph.D. program in

field and demonstrate how the research competencies

their ability to extend the knowledge base in the major

Ph.D. candidates must present substantial evidence of

proposal. The dissertation proposal is a distinct

examinations, students prepare a formal dissertation

After passing the oral and written comprehensive

Dissertation Proposal

After passing the oral and written comprehensive

Computing, students prepare a formal dissertation

The dissertation proposal is a distinct

requirement of the program and it must be approved in

Upon completion of the dissertation, students publicly

Oral Defense of the Dissertation

Upon completion of the dissertation, students publicly

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all

Doctor of Philosophy in Health Care Ethics & Juris Doctor Dual Degree

Overview

Students begin their dual degree studies at the School

Dual degree students ordinarily graduate with the J.D.
in three years of full-time study. It is recommended that

Beginning in the fall following their graduation from the

Dissertations: Non-Traditional Format

Ordinarily doctoral candidates in the Ph.D. program in

Health Care Ethics will follow the traditional guidelines

for dissertations. However, when appropriate, a

student's dissertation committee may permit the

student to write a dissertation using a "non-traditional

format", the body of which consists of at least three

thematically related original article-length manuscripts,
at least two of which must be accepted for publication.

As is always the case, all dissertation content must

receive final approval by the student's dissertation

committee. The mere fact that a manuscript has been

published or accepted for publication does not

guarantee that it can be used toward a non-traditional
dissertation. Ordinarily, if a faculty member serves as

a co-author on one of the publications, this faculty

member would not serve as the student's dissertation

chair. The non-traditional dissertation format requires

1. The three incorporated articles be preceded by a

substantive introduction chapter and followed by a

substantive conclusion chapter, which will integrate

the three manuscripts into a coherent whole.

2. Ordinarily, the student is the sole or primary author

of all three manuscripts.

3. At least two of the three manuscripts must be fully

accepted for publication and the third at least under

review.

4. Dissertations must satisfy the formatting

requirements dictated by the "Policies and

Procedures for Thesis, Project, and Dissertation

Formatting".

5. All articles incorporated into the dissertation must

have been submitted while enrolled in the Ph.D.

Program.

Non-Course Requirements

Research Tools

These competencies are essential for success in health
care ethics. Students may develop these competencies

through different mechanisms.

1. Competency in medical terminology

2. Competency in library database skills

3. Competency in reading statistics and study design

Comprehensive Examinations

The comprehensive examinations occur after

completing all course work and practica. For more

information about comprehensive examinations, go to

www.slu.edu/bioethics/phd-program/curriculum/comp

exams.

Dissertation Research (12 credits)

ASTD 6990 Dissertation Research

TOTAL CREDITS: 60

Concentration Requirements (15 credits)

Catholic Tradition Concentration

Empirical Research Methods Concentration

Research Ethics Concentration

Dissertation Research (12 credits)

TOTAL CREDITS: 60

Non-Course Requirements

Research Tools

These competencies are essential for success in health
care ethics. Students may develop these competencies

through different mechanisms.

1. Competency in medical terminology

2. Competency in library database skills

3. Competency in reading statistics and study design

Comprehensive Examinations

The comprehensive examinations occur after

completing all course work and practica. For more

information about comprehensive examinations, go to

www.slu.edu/bioethics/phd-program/curriculum/comp

exams.

Dissertation Proposal

After passing the oral and written comprehensive

examinations, students prepare a formal dissertation

proposal. The dissertation proposal is a distinct

requirement of the program and it must be approved in

writing by all members of the dissertation committee

and the Center Director. In their dissertation proposals,

Ph.D. candidates must present substantial evidence of

their ability to extend the knowledge base in the major

field and demonstrate how the research competencies

in the program are to be integrated with the proposed

research of the dissertation.

Dissertations: Non-Traditional Format

Ordinarily doctoral candidates in the Ph.D. program in

Health Care Ethics will follow the traditional guidelines

for dissertations. However, when appropriate, a

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review.

4. Dissertations must satisfy the formatting

requirements dictated by the "Policies and

Procedures for Thesis, Project, and Dissertation

Formatting".

5. All articles incorporated into the dissertation must

have been submitted while enrolled in the Ph.D.

Program.

Oral Defense of the Dissertation

Upon completion of the dissertation, students publicly

present and defend their dissertation before their

dissertation committee, CHCE faculty and Doctoral

students.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all

required graduate/professional courses.

Doctor of Philosophy in Health Care Ethics & Juris Doctor Dual Degree

Overview

Students begin their dual degree studies at the School

of Law as traditional first-year students. In their second

and third years of study, students are primarily law

students but take six credits of courses at the Center

for Health Care Ethics. In addition to the six credits at

the CHCE, students enroll in a three credit directed

research course that is cross-listed by both programs.

The directed research project is supervised by faculty

from both programs and is treated as a traditional law

ing the Ph.D. Program.

Dual degree students ordinarily graduate with the J.D.
in three years of full-time study. It is recommended that

they sit the bar exam in the summer following their

graduation.

Beginning in the fall following their graduation from the

School of Law, all academic work is dedicated to the

Ph.D. program. The Ph.D. program recognizes 9 credits

of law school courses towards the Ph.D. (See details

below.) Additionally, students will have completed 9

credits of Health Care Ethics classes during the J.D.

Non-Course Requirements

Research Tools

These competencies are essential for success in health
care ethics. Students may develop these competencies

through different mechanisms.

1. Competency in medical terminology

2. Competency in library database skills

3. Competency in reading statistics and study design

Comprehensive Examinations

The comprehensive examinations occur after

completing all course work and practica. For more

information about comprehensive examinations, go to

www.slu.edu/bioethics/phd-program/curriculum/comp

exams.

Dissertation Proposal

After passing the oral and written comprehensive

examinations, students prepare a formal dissertation

proposal. The dissertation proposal is a distinct

requirement of the program and it must be approved in

writing by all members of the dissertation committee

and the Center Director. In their dissertation proposals,

Ph.D. candidates must present substantial evidence of

their ability to extend the knowledge base in the major

field and demonstrate how the research competencies

in the program are to be integrated with the proposed

research of the dissertation.

Dissertations: Non-Traditional Format

Ordinarily doctoral candidates in the Ph.D. program in

Health Care Ethics will follow the traditional guidelines

for dissertations. However, when appropriate, a

student's dissertation committee may permit the

student to write a dissertation using a "non-traditional

format", the body of which consists of at least three

thematically related original article-length manuscripts,
at least two of which must be accepted for publication.

As is always the case, all dissertation content must

receive final approval by the student's dissertation

committee. The mere fact that a manuscript has been

published or accepted for publication does not

guarantee that it can be used toward a non-traditional
dissertation. Ordinarily, if a faculty member serves as

a co-author on one of the publications, this faculty

member would not serve as the student's dissertation

chair. The non-traditional dissertation format requires

1. The three incorporated articles be preceded by a

substantive introduction chapter and followed by a

substantive conclusion chapter, which will integrate

the three manuscripts into a coherent whole.

2. Ordinarily, the student is the sole or primary author

of all three manuscripts.

3. At least two of the three manuscripts must be fully

accepted for publication and the third at least under

review.

4. Dissertations must satisfy the formatting

requirements dictated by the "Policies and

Procedures for Thesis, Project, and Dissertation

Formatting".

5. All articles incorporated into the dissertation must

have been submitted while enrolled in the Ph.D.

Program.

Oral Defense of the Dissertation

Upon completion of the dissertation, students publicly

present and defend their dissertation before their

dissertation committee, CHCE faculty and Doctoral

students.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all

required graduate/professional courses.

Doctor of Philosophy in Health Care Ethics & Juris Doctor Dual Degree

Overview

Students begin their dual degree studies at the School

of Law as traditional first-year students. In their second

and third years of study, students are primarily law

students but take six credits of courses at the Center

for Health Care Ethics. In addition to the six credits at

the CHCE, students enroll in a three credit directed

research course that is cross-listed by both programs.

The directed research project is supervised by faculty

from both programs and is treated as a traditional law

school directed research project.

Dual degree students ordinarily graduate with the J.D.
in three years of full-time study. It is recommended that

they sit the bar exam in the summer following their

graduation.

Beginning in the fall following their graduation from the

School of Law, all academic work is dedicated to the

Ph.D. program. The Ph.D. program recognizes 9 credits

of law school courses towards the Ph.D. (See details

below.) Additionally, students will have completed 9

credits of Health Care Ethics classes during the J.D.
program. Thus it is expected that students will complete their Ph.D. coursework in two semesters following their J.D. program. Comprehensive exams and the dissertation ordinarily require an additional three semesters.

During the entire time that students are enrolled in the dual degree program, it is expected that they will be engaged in both programs. Starting with their second year of law school, students will take part in Ph.D. seminars and other extracurricular programs offered by the Doctoral program. Once they have completed their J.D. and are enrolled in the Doctoral program, it is expected that they will remain engaged in relevant health law activities at the School of Law.

Program Requirements
Students complete the usual curriculum in both the Juris Doctor and Ph.D. programs. However, as indicated below, 18 credits of coursework satisfies requirements in both of the programs.

J.D. Courses Counted toward Ph.D. Degree (7 credits)
- LAW 8000 Health Care Law (3)
- LAW 8005 Bioethics and the Law (2)
- LAW 8822 Research Ethics (2)

Ph.D. Courses Counted toward J.D. Degree (9 credits)
- HCE 6630 Directed Research in Health Law and Ethics
- Plus two of the following five additional Ph.D. courses:
  - HCE 8040 Interdisciplinary Research in Health Care Ethics (3)
  - HCE 8050 Philosophical Foundations of Ethics (3)
  - HCE 8060 Psychosocial Foundations in Ethics (3)
  - HCE 8070 Catholic Foundations of Morality (3)
  - HCE 8940 Health Care Reform (3)

Continuation Standards
A student must maintain a GPA in coursework for the minor in Health Care Ethics of at least 2.0.

Doctor of Philosophy in Health Care Ethics & Master of Arts in Theology Dual Degree

Overview
Ordinarily, students begin their M.A. studies at Aquinas Institute of Theology (AIT) during their first year of the program. In year 1, students will complete 36 credits of coursework completed in Year 2 of the dual degree program. After which they return to the School of Medicine to complete the third and fourth years of medical studies.

Program Requirements
Students begin their dual degree studies as traditional first year students in the School of Medicine. After the second year of medical school, students begin full-time study in Health Care Ethics. Students are expected to complete the Ph.D. in three years, after which they return to the School of Medicine to complete the third and fourth years of medical studies.

Program Requirements
A minimum of 48 credits is required for the Ph.D. This ordinarily includes 33 credits of course work, three credits of practicum, and 12 credits of dissertation research. CHCE accepts 7 credits from Phase 1 and Phase 2 of the M.D. curriculum. The required courses HCE.6110 Introduction to Medicine for Ethicists, one 3-credit Topics and Scholars elective and the HCE.6150 Practica are waived based on medical school coursework in Patient, Physician, and Society I and II, and in Fundamentals of Biomedical Science. M.D./Ph.D. students will be recognized as having satisfied all three Research Tools requirements based on trainee knowledge of medical terminology, biostatistics, and library database searches. The remaining 27 credits of Ph.D. coursework, comprehensive exams, the dissertation, and the public defense of the dissertation must be completed during the three years of Ph.D. study.

Continuation Standards
A student must maintain a GPA in coursework for the minor in Health Care Ethics of at least 2.0.

Doctor of Philosophy in Health Care Ethics & Master of Arts in Theology Dual Degree

Overview
Ordinarily, students begin their M.A. studies at Aquinas Institute of Theology (AIT) during their first year of the program. In year 1, students will complete 36 credits of coursework completed in Year 2 of the dual degree program. After which they return to the School of Medicine to complete the third and fourth years of medical studies.

Program Requirements
The following Ph.D. courses may be used to fulfill the final 6 credits toward the M.A.:
- HCE.6020 (Methods in Religious Ethics) or HCE.6310 (Health Care Ethics in the Catholic Tradition) [Dual degree students must enroll in both of these courses during their time in the Ph.D. program. Completion of 1 of the courses is required for completion of the M.A. These courses are offered in alternating spring semesters. Therefore, students will complete only one of them in Year 2 of the dual degree program.]
- A 3-credit elective in HCE
- A total of 6 credits taken toward the M.A. at AIT will count towards fulfillment of the Topics and Scholars elective requirements in the Ph.D. program.

Two of the following M.A. courses may be treated as Topics and Scholars electives for the Ph.D.:
- Justice and Catholic Social Teaching
- Ethics of Human Sexuality
- Christian Anthropology
After the end of Year 2 and completion of the major paper and comprehensive exams required for the M.A. degree, students are awarded the M.A. in Theology from AIT. The timing for completion of the major paper and the comprehensive exams is to be determined in consultation with the M.A. advisor at AIT.

In Year 3, students begin the coursework required for the Ph.D.

**Continuation Standards**

A student must maintain a GPA in coursework for the minor in Health Care Ethics of at least 2.0.
OVERVIEW

The department of history at Saint Louis University follows a long tradition. It has been providing a solid foundation of historical understanding to the undergraduate students of SLU for more than a century and a half. The Bachelor of Arts in History begins with introductions to European, non-Western and American history and a primer in how to master the tools of the historical craft. Students then take courses in more specific historical areas that allow exploration of certain subjects in greater depth. Finally, students take a seminar that requires them to research and write in more narrowly focused areas. Some students may opt to write an Honors thesis.

The Department offers the Ph.D. in Medieval, Early Modern, and U.S. History. Master's students may specialize in one of these three fields or in Late Antiquity/Byzantine History, Modern European History, or World History. Doctoral students must choose a primary and a secondary specialty. The secondary specialty may be in any of the areas cited for Master’s degree study or in a specialized area constructed in consultation with the departmental advisor and with the approval of the graduate committee. The Department participates in the activities of the Center for Medieval and Renaissance Studies and is ranked in the nation's top 100 Doctoral programs by U.S. News and World Report.

The department of history participates in the activities of the Center for Medieval and Renaissance Studies, the Center for Intercultural Studies and the Center for International Studies. History majors are also encouraged to explore minors and concentrations available at Saint Louis University, including African American Studies, international studies, medical humanities, medieval studies, Russian and Eastern European studies and women's and gender studies.

Undergraduate Offerings
+ Bachelor of Arts in History
+ Minor in History

Graduate Offerings
+ Master of Arts in History
+ Doctor of Philosophy in History

Faculty
Douglas R. Boin, Ph.D.
Flannery Burke, Ph.D.
Thomas J. Finan, Ph.D.
Philip R. Gavitt, Ph.D.
Claire Gilbert, Ph.D.
Lorri Glover, Ph.D.
Torrie Hester, Ph.D.
Thomas F. Madden, Ph.D.
Filippo Marsili, Ph.D.
Nathaniel Millett, Ph.D.
George O. Ndege, Ph.D.
Charles H. Parker, Ph.D.
Jennifer J. Popiel, Ph.D.
Michal Rozbicki, Ph.D.
Mark Edward Ruff, Ph.D.
Daniel L. Schlaufly, Ph.D.
Steven A. Schoenig, Ph.D.
Silvana R. Siddali, Ph.D.
Damian J. Smith, Ph.D.
Katrina D. Thompson Moore, Ph.D.
Warren Treadgold, Ph.D.
Luke Yarbrough, Ph.D.

Bachelor of Arts in History

Program Highlights

Students choose to study history for three main reasons. First, it represents the record of all human experience and helps fully illustrate the forces that influence the world. It is central to a liberal arts education and a defining feature of the Jesuit tradition. It has long been considered the foundation of the humanities because it provides a general framework and a unifying perspective for many more narrowly specialized disciplines. Second, it is highly enjoyable; real stories are often much more fascinating than fiction, and the detective work needed to dig into sources can be thrilling. Third, it teaches a skill set that remains in strong demand on the ever-changing job market: analytical thinking, effective use of evidence, research and writing skills, rhetorical abilities and an understanding of cultural differences.

Additional program highlights:

+ History offers students the chance to make discoveries about the past. Seminars will take students to archives and museums to view letters, diaries, photographs from decades and centuries ago. Upper division courses can take students to places like Rome and Ireland where students can dig into the ruins of castles and ancient cities. Students are offered travel money to visit archives and historical sites in the United States.
+ History offers multiple opportunities to present discoveries about the past. The honor society, Phi Alpha Theta, sponsors an annual undergraduate research conference. Seminars are small enough for students to present findings in detail to classmates. The research, writing and communication skills gained are those most sought after by employers.
+ History offers first-hand research experience. The internship program allows students to partner with local museums, nonprofits, religious institutions and corporations. Students can build windows into the past through historical records, manuscript
collections and photographs.

Curriculum Overview
History majors are educated in basic intellectual and communication skills that are valued in business, journalism, public service and law, among other fields. In recent years, undergraduates have augmented studies in history with education, political science, foreign language or business administration — combinations that have proven attractive in medicine, business and government service.

Saint Louis University history students learn to interpret a variety of sources, develop the skills to find relevant information and evidence, and articulate an argument. They practice clear and forceful writing.

Fieldwork and Research Opportunities
The department of history offers a variety of internships with museums and other historical organizations, most of which are eligible for course credit.

Internship opportunities in the St. Louis area include:
+ Abraham Lincoln Presidential Library and Museum
+ Campbell House Museum
+ Discovery Expedition of St. Charles
+ Eugene Field House and Toy Museum
+ Holocaust Museum
+ Jefferson Barracks
+ Jefferson National Expansion Memorial Achieves
+ Landmarks Association of St. Louis
+ Lincoln Home and National Historic Site
+ Midwest Jesuit Achieves
+ Missouri History Museum
+ National Archives Records Center
+ Saint Louis University Art Museum
+ Scott Joplin House
+ Ulysses S. Grant National Historic Site

Careers
Saint Louis University history department graduates find a broad range of employments, including education, law, journalism, international business, museum and library work, and public service. Many have successfully pursued graduate studies and now teach in academic institutions. Recent survey data of history alumni indicates that 93 percent consider themselves "satisfactorily occupied."

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1110 Origins of the Modern World to 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 1120 Origins of the Modern World since 1500</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2800 The Historian's Craft</td>
<td>3</td>
</tr>
</tbody>
</table>

2000 or 3000-level History Elective Courses (18 credits)

These must include at least one course in each of the four following areas.

Pre-1500 European History
Courses with the Pre-1500 European History attribute, such as:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3000 Ancient Greece</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3010 Roman Republic</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3020 The Roman Empire</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3030 The Byzantine Empire</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3040 The Middle Ages to 1100</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3050 The Middle Ages 1100 to 1450</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3060 The Crusades</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3070 Catholic Traditions to 1540</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3350 Plagues and People: Disease in Society</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3400 Italy: 900 – 1860</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3800 Autobiography and History</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3930 Special Topics</td>
<td>3</td>
</tr>
</tbody>
</table>

Modern European History
Courses with the Modern European History attribute, such as:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3080 Catholic Tradition Since 1540</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3090 The Age of Renaissance</td>
<td>3</td>
</tr>
</tbody>
</table>
Courses with the U.S. History attribute, such as:

- HIST 2800 History of the United States to 1865
- HIST 2810 History of the United States since 1865
- HIST 3380 History of English Law
- HIST 3450 Colonial America
- HIST 3460 Found of American Republic, 1763-1816
- HIST 3470 Nationalism & Sectionalism, 1816-1860
- HIST 3480 Civil War & Reconstruction, 1850-1877
- HIST 3490 The Gilded Age
- HIST 3500 Progressive Era to Jazz Era, 1890-1920
- HIST 3510 Prosperity, Depression & War, 1920-45
- HIST 3520 Contemporary America, 1945-Present
- HIST 3530 US Diplomatic History to 1900
- HIST 3540 US Diplomatic History, 1900-1946
- HIST 3550 US Diplomatic History since 1946
- HIST 3560 US Social & Intellectual History to 1861
- HIST 3570 US Social & Intellectual History since 1861
- HIST 3580 American Slavery
- HIST 3590 American Women
- HIST 3600 History of Film in the US
- HIST 3610 Civil Rights in America, 1865-1965
- HIST 3810 The Historian's Craft
- HIST 3820 The Reformation Era
- HIST 3830 Modern Middle East

History Thesis

This course will be conducted as an independent study/research course for writing an honors thesis. It is an opportunity for superior students who want to expand and revise a paper for a previous 3000 or 4000 level history course into an honors thesis. This option will give the student a chance to develop and demonstrate advanced research and writing skills. It will be excellent preparation for graduate or professional schools, some of which require applicants to submit a writing sample. (HIST 4940).

Internship Opportunities

The Department of History offers a variety of internships; for example, in an archive, a museum, a historical site, or on a specific project. (HIST 4960)

Continuation Standards

1) Grade of a B- or better in:
   + HIST 1110 - Origins of the Modern World to 1500
   + HIST 1120 - Origins of the Modern World since 1500

2) A 2.0 minimum GPA for all History courses

Minor in History

Program Requirements

Required Courses (9 credits)

- HIST 1110 Origins of the Modern World to 1500
- HIST 1120 Origins of the Modern World since 1500
- HIST 2800 The Historian's Craft

Senior Seminar (3 credits)

- HIST 4900 Seminar in European History
- HIST 4901 Seminar in American History
- HIST 4902 Seminar in Non-Western History

2000 or 3000-level History Elective Courses (9 credits)

These must include at least one course in three of the four following areas.

Pre-1500 European History

Courses with the Pre-1500 European History attribute, such as:

- HIST 3000 Ancient Greece
- HIST 3010 Roman Republic
- HIST 3020 The Roman Empire
- HIST 3030 The Byzantine Empire
- HIST 3040 The Middle Ages to 1100
- HIST 3050 The Middle Ages 1100 to 1450
- HIST 3060 The Crusades
- HIST 3070 Catholic Traditions to 1540
- HIST 3350 Plagues and People: Disease in Society
- HIST 3400 Italy: 900 – 1860
- HIST 3800 Autobiography and History
- HIST 3930 Special Topics

Modern European History

Courses with the Modern European History attribute, such as:

- HIST 3080 Catholic Tradition Since 1540
TOTAL CREDITS: 21

Continuation Standards
1) Grade of a B- or better in:
   + HIST 1110 - Origins of the Modern World to 1500
   + HIST 1120 - Origins of the Modern World since 1500
2) A 2.0 minimum GPA for all History courses

ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
The Accelerated Bachelor's/Master's Program (ABM) offers the opportunity for outstanding History undergraduate majors to begin an M.A. program in their senior year, completing the M.A. with a full time fifth year of graduate study after their successful completion of both the first year requirements and their undergraduate degree and major.

Program Requirements
The American Studies major, like most humanities majors, requires thirty credits of coursework, and the M.A. a further thirty. By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

Continuation Standards
Students who pursue a major in American Studies must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's minor GPA drops below 2.00, the student will be placed on academic probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the minor.

MASTER OF ARTS IN HISTORY

Program Highlights
- The graduate program in history at Saint Louis University is one of the oldest in the country, granting its first Ph.D. in 1919.
- Today, the tradition of excellence is continued by training students in a variety of historical fields.
- SLU's history program offers students internationally renowned faculty, an outstanding mentoring program and high-quality professional training.

Curriculum Overview
Masters students choose a specialized area of study from the following concentrations:
- American
- Byzantine
- Early Modern European
- Late Antique
Application Procedures

+ An official transcript of undergraduate record and, for applicants to the Ph.D. program, graduate record.
+ Recent GRE scores (the GRE Subject Test is not required). Scores need to be received by the application dates listed below.
+ A current resume
+ Three letters of recommendation assessing potential in graduate studies.
+ A letter of intent describing professional and intellectual goals, and interest in graduate studies. The letter should include the specific field of historical study interested in; a vision of how to contribute to existing research and criticism in an area of interest; and the SLU faculty members interested in working with. While plans may well change as a result of further study, the statement will help the department to assess the grasp of the field, and ability to describe ideas coherently and compellingly.
+ A fifteen to twenty page writing sample which demonstrates competence in historical writing and analysis, and which may be an excerpt from a longer piece.
+ Completed applications with all materials for admission and financial aid must be received by January 15. Students are not admitted in the spring or summer semester.

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application and Assistantship Deadline
Submit an application for the following fall semester by January 15.

Review Process
A standing graduate applicant review committee meets just after the expiration of the application deadline. The committee reviews each item of every complete application. The committee makes its applicant selections by the beginning of March.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (3 credits)
HIST 5000 Theory and Practice of History: An Introduction

Concentration Courses (12 credits)

Elective Courses Outside Concentration (9 credits)
Chosen from above areas or a maximum of 6 credits may be taken in academic fields other than history.

Thesis Option (6 credits)
HIST 5990 Thesis Research

Non-Thesis Option (6 credits)
Chosen from Concentration listings.

TOTAL CREDITS: 30

American Concentration

Required Courses (12 credits)
HIST 5800 Studies in American History
HIST 5810 Advanced Studies American History
HIST 5650 Perspectives in American History
HIST 6840 Seminar American History

Byzantine Concentration

Required Courses (12 credits)
HIST 5200 Studies in Late Antiquity and Byzantine History
HIST 5210 Advanced Studies in Late Antiquity and Byzantine History
HIST 6800 Seminar in Late Ancient and Byzantine History

Early Modern European Concentration

Required Courses (12 credits)
Program Highlights

+ The graduate program in history at Saint Louis University is one of the oldest in the country, granting its first Ph.D. in 1919.
+ Today, the tradition of excellence is continued by training students in a variety of historical fields.
+ The Ph.D. program ranks among the top 100 history programs in the nation according to U.S. News & World Report.
+ SLU’s history program offers students internationally renowned faculty, an outstanding mentoring program and high-quality professional training.

Curriculum Overview

Doctoral students choose a specialized area of study from the following concentrations:

+ American History
+ Early Modern European
+ Medieval European

Fieldwork and Research Opportunities

Graduate students benefit from the rich archival and institutional resources available in St. Louis itself, including relationships with sites such as the Missouri Historical Society, the Jefferson National Expansion Memorial, the Circuit Court Records Project, the Pulitzer Foundation for the Arts, the Sheldon Galleries, the Contemporary Art Museum, the Saint Louis Art Museum, the Missouri Botanical Garden and the Historic Landmarks Association.

Careers

We expect that the majority of the students at doctoral level will themselves become professional historians and teach at the college level.

Admission Requirements

Standardized test scores are considered as well as GPA and English proficiency (if applicable). Each item in the application package is required for an applicant to be reviewed.

A Master's degree in the field or the equivalent.

Language Requirements

Proof of competency in one foreign language is required through a written examination administered by the department or successful completion of graduate translation courses.

Doctoral students in medieval and early modern European history are required to display reading proficiency in Latin as well as one additional foreign language. All other Ph.D. students must demonstrate proficiency in two foreign languages. For doctoral students in U.S. history, approved courses in research methods may replace the second language.

Application Procedures

+ An official transcript of undergraduate record and, for applicants to the Ph.D. program, graduate record.
+ Recent GRE Test scores (the GRE Subject Test is not required). Scores need to be received by the application dates listed below.
+ A current resume
+ Three letters of recommendation assessing potential in graduate studies.
+ A letter of intent describing professional and intellectual goals, and interest in graduate studies.

Non-Course Requirements

Competency in one foreign language, to be verified by written examination.

A two-hour written comprehensive exam and a one-hour oral exam for the M.A.; a one-hour oral thesis presentation for M.A. research. (For students continuing on to the Ph.D., no exam or thesis is necessary).

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

DOCTOR OF PHILOSOPHY IN HISTORY

Program Highlights

+ The graduate program in history at Saint Louis University is one of the oldest in the country, granting its first Ph.D. in 1919.
+ Today, the tradition of excellence is continued by training students in a variety of historical fields.
+ The Ph.D. program ranks among the top 100 history programs in the nation according to U.S. News & World Report.
+ SLU's history program offers students...
interested in working with. While plans may well change as a result of further study, the statement will help the department assess the grasp of the field, and ability to describe ideas coherently and compellingly.

+ A fifteen to twenty page writing sample which demonstrates competence in historical writing and analysis, and which may be an excerpt from a longer piece.
+ Completed applications with all materials for admission and financial aid must be received by January 15. Students are not admitted in the spring or summer semester.

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application and Assistantship Deadline
Submit an application for the following fall semester by January 15.

Review Process
A standing graduate applicant review committee meets just after the expiration of the application deadline. The committee reviews each item of every complete application. The committee makes its applicant selections by the beginning of March.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements (Ph.D.)
None of the doctoral courses may be at the undergraduate level and no more than six credits may be taken in a related department without the permission of the director of graduate studies.

For American History students, competency in one foreign language is required. For Medieval European and Early Modern European students, two languages are required, one of which must be Latin. It is understood that in all fields of study advisors can require additional languages if they are pertinent to the student's research agenda.

Required Courses (9 credits)

- HIST 5900 History Teaching Practicum 0
- HIST 6900 Professional Writing for Historians I 3
- HIST 6901 Professional Writing for Historians II 3

Primary Concentration Courses (12 credits)

Secondary Concentration Courses (6 credits)

Elective Courses (3 credits)

Dissertation Research (12 credits)
HIST 6990 Dissertation Research 12

TOTAL CREDITS: 39

Program Requirements (M.A. to Ph.D.)
For the Ph.D. in history, 27 credits of coursework beyond the M.A. are required, or 36 credits if pursuing the combined M.A./Ph.D. A minimum of 12 credits in the primary concentration and six credits in the secondary concentration are required.

The remaining credits are flexible. None of the doctoral courses may be at the undergraduate level and no more than six credits may be taken in a related department without the permission of the director of graduate studies.

For U.S. history students, competency in one foreign language is required. For medieval and early modern European history students, two languages are required, one of which must be Latin. It is understood that in all fields of study advisors can require additional languages if they are pertinent to the student's research agenda.

Required Courses (9 credits)

- HIST 5000 Theory and Practice of History: An Introduction 3
- HIST 5410 Advanced Studies in Early Modern European History 3
- HIST 5450 Perspectives in Early Modern European History 3
- HIST 6820 Seminar in Early Modern European History 3

Primary Concentration Courses (12 credits)

Secondary Concentration Courses (6 credits)

Elective Courses (9 credits)

Dissertation Research (12 credits)
HIST 6990 Dissertation Research 12

TOTAL CREDITS: 48

Early Modern European Concentration with Medieval European

Primary Concentration (12 credits)

Early Modern European

- HIST 5400 Studies in Early Modern European History 3
- HIST 5410 Advanced Studies in Early Modern European History 3
- HIST 5450 Perspectives in Early Modern European History 3
- HIST 6820 Seminar in Early Modern European History 3

Secondary Concentration (6 credits)

Medieval European

- HIST 5310 Advanced Studies in Medieval History 3
- HIST 6810 Seminar in Medieval History 3

Medieval European Concentration with Early Modern European

Primary Concentration (12 credits)

Medieval European

- HIST 5300 Studies in Medieval History 3
- HIST 5310 Advanced Studies in Medieval History 3
- HIST 5350 Perspectives in Medieval History 3
- HIST 6810 Seminar in Medieval History 3
Secondary Concentration (6 credits)

**Early Modern European**

- **HIST 5410** Advanced Studies in Early Modern European History 3
- **HIST 6820** Seminar in Early Modern European History 3

**American Concentration with World History**

Primary Concentration (12 credits)

- **American**
  - **HIST 5600** Studies in American History 3
  - **HIST 5610** Advanced Studies American History 3
  - **HIST 5850** Perspectives in American History 3
  - **HIST 6840** Seminar American History 3

Secondary Concentration (6 credits)

- **World History**
  - **HIST 6710** Advanced Studies World History 3
  - **HIST 6870** Seminar World History 3

**Non-Course Requirements**

Following the completion coursework, students must complete and pass a comprehensive examination which has both written and oral components.

The written examination consists of two four-hour written examinations, one each in the major and minor fields. The examinations are based on the texts on the preparatory reading list and selected from a set of choices developed by the examiners. The oral examination committee is comprised of the three faculty members from the dissertation committee and two other faculty agreed upon with an adviser in consultation with the graduate director and the department chair. The oral examination lasts two hours and is taken the week following the written examinations. The examination committee will ask about the written examination, as well as texts on the preparatory reading list.

Following successful completion of the oral examination, students will meet with an adviser and the chair of the history department to discuss and give final approval to the prospectus. Students will then file an approved copy of the dissertation prospectus with the College of Arts and Sciences and proceed to write the dissertation. Twelve credits are given for the writing of the dissertation. Completed dissertations are assessed by the committee and are formally accepted after a public defense.

**Continuation Standards**

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
INTEGRATED & APPLIED SCIENCES
www.slu.edu/arts-and-sciences/integrated-and-applied-sciences

LEADERSHIP
Paul Jelliss, Ph.D.
Graduate Program Director

OVERVIEW
The Integrated and Applied Sciences (IAS) doctoral program was established to broaden student exposure to all areas of science, encourage collaboration across departments and colleges, and better train graduate students to present their research to a more diverse audience. This interdisciplinary program is large enough to provide students with broad exposure to collaborative scientific projects, yet small enough for students to have one-on-one interaction with their faculty mentor. This personalized approach is necessary for developing the communication skills that will enhance employment opportunities for students and, in keeping with SLU's Jesuit tradition, endow them with tools to better contribute to society.

Graduate Offerings
+ Doctor of Philosophy in Integrated & Applied Sciences

Faculty
Gerardo Camilo, Ph.D.
Brian Downs, Ph.D.
Damon Hall, Ph.D.
Jack Kennell, Ph.D.
Istvan Kiss, Ph.D.
Jason Knouft, Ph.D.
Irma Kuljanishvili, Ph.D.
Richard Mayden, Ph.D.
Susan Spencer, Ph.D.
David Wisbey, Ph.D.
Wasit Wulamu, Ph.D.

DOCTOR OF PHILOSOPHY IN INTEGRATED & APPLIED SCIENCES

Program Highlights
The integrated and applied sciences Ph.D. program aims to broaden student exposure to all areas of science, encourage collaboration across departments and colleges, and to better train graduate students to present their research to a more diverse audience.

Biology Concentration
This concentration is geared toward biological research with Bioinformatics or Integrated Geospatial Biology. Required core courses may be taken in the Biology Department.

Chemistry Concentration
This concentration is for students interested in chemical research with substantial overlap with other biological or physical science and engineering disciplines.

Environmental Sciences and G.I.S. Concentration
This concentration is for students interested in the application of geographic information systems (G.I.S.) in the field of environmental sciences. Required course are taken in the Earth and Atmospheric Sciences Department as well as the G.I.S. program.

Physics Concentration
This concentration is geared towards students interested in the physics of solid state and nanomaterials.

Sustainability Science Concentration
Students build on a foundation of Sustainability Science by taken coursework in Urban Planning & Development as well as the G.I.S. program.

Curriculum Overview
The Doctor of Philosophy (Ph.D.) program in Integrated and Applied Sciences (I.A.S.) utilizes interdisciplinary approaches and collaboration within the fields to prepare graduates to confidently assume multi-faceted roles in the changing scientific community. Students specialize in a concentration depending on their primary mentor's research area. Concentrations include:
+ Chemistry
+ Biology
+ Physics
+ Environmental Science and GIS
+ Sustainability science.

The distribution of courses in the various IAS areas is determined by the student's dissertation committee with a minimum total of 30 credits between all three areas. A total of 42 credits are required with the remaining 12 credits coming from dissertation credits. An appropriate coursework track is developed by the student and their mentor with subsequent approval by the IAS administrative committee. A typical coursework structure includes:
+ Participating departmental core courses (9–12 credits)
+ Interdisciplinary credits (18–21 credits)
+ Dissertation credits (12 credits)

Fieldwork and Research Opportunities
This research-intensive doctoral program will train students for careers in pharmaceutical and biochemical industries, as well as in academia. The program's scientific training takes place in an interdisciplinary environment with biology, biomedical science, chemistry, earth and atmospheric science, engineering, and physics faculty.

Careers
This doctoral program trains scientists for careers in academia as well as chemical, biological, environmental and sustainability science industries and prepares them to collaborate with other professionals. Scientific training takes place in an interdisciplinary environment with faculty from science departments in
the College of Arts and Sciences as well as from the Center for Sustainability.

**Admission Requirements**
The integrated and applied sciences administrative committee will ensure that the applicant possesses a minimum of a baccalaureate degree from an accredited, recognized college or university in a discipline relevant to the research of the integrated and applied sciences faculty mentor.

**Application Requirements**
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ Curriculum vitae
+ Professional goals statement

**Requirements for International Students**
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Assistantship Application Deadline**
Students who want to be considered for an assistantship must submit complete applications by Feb. 1.

**Review Process**
The integrated and applied sciences administrative committee will ensure that the applicant's previous academic record indicates the ability needed to pursue advanced studies. The committee will then make an admissions recommendation to the graduate admissions department, which is responsible for making the final decision and communicating that decision to both the integrated and applied sciences program director and the applicant.

**Scholarships and Financial Aid**
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

### Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IAS 6010</td>
<td>Interdisciplinary Seminar</td>
<td>4</td>
</tr>
<tr>
<td>IAS 6030</td>
<td>Current Topics in Interdisciplinary Research</td>
<td>8</td>
</tr>
</tbody>
</table>

### Concentration Courses (18 credits)

**Concentration Core Department (9–12 credits)**

**Concentration Interdisciplinary credits (6–9 credits)**

**Dissertation Research (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 6090</td>
<td>Dissertation Research</td>
<td>12</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 42

### Biology Concentration

**Concentration Core Department (9–12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 5060</td>
<td>Advanced Topics in Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 5070</td>
<td>Advanced Biological Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5100</td>
<td>Cellular and Molecular Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5120</td>
<td>Signal Transduction</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5190</td>
<td>GIS in Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5300</td>
<td>Problems in Vertebrate Physiology</td>
<td>2-4</td>
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<tr>
<td>BIOL 5340</td>
<td>Problems in Cell Biology</td>
<td>1-2</td>
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<tr>
<td>BIOL 5350</td>
<td>Current Topics in Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5400</td>
<td>Problems in Genetics</td>
<td>1-4</td>
</tr>
<tr>
<td>BIOL 5410</td>
<td>Ecological Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5420</td>
<td>Problems in Evolutionary Biology</td>
<td>1-4</td>
</tr>
<tr>
<td>BIOL 5450</td>
<td>Biogeography</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5480</td>
<td>Systematic Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 5480</td>
<td>Conservation Biology</td>
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</tr>
<tr>
<td>BIOL 5500</td>
<td>Problems in Ecology</td>
<td>2-4</td>
</tr>
<tr>
<td>BIOL 5550</td>
<td>Advanced Ecology</td>
<td>3</td>
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<tr>
<td>BIOL 5550</td>
<td>Development Genetics</td>
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<tr>
<td>BIOL 5570</td>
<td>Advanced Population Biology</td>
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<tr>
<td>BIOL 5700</td>
<td>Advanced Molecular Biology</td>
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<tr>
<td>BIOL 5770</td>
<td>Coevolution</td>
<td>3</td>
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<tr>
<td>BIOL 5840</td>
<td>Graduate Seminar in Ecol, Evol, and System</td>
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<tr>
<td>BIOL 6040</td>
<td>Current Topics in Developmental Biology</td>
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<tr>
<td>BIOL 6150</td>
<td>Neural Basis Behavior</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 6510</td>
<td>Plant-Water Relationships</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 6970</td>
<td>Research Topics</td>
<td>1-3</td>
</tr>
<tr>
<td>BIOL 6980</td>
<td>Graduate Reading Course</td>
<td>1-3</td>
</tr>
<tr>
<td>BIOL 6982</td>
<td>Graduate Seminar/Cell and Molec Regulation</td>
<td>2</td>
</tr>
<tr>
<td>BIOL 5880</td>
<td>Scientific Communication Practicum</td>
<td>3</td>
</tr>
</tbody>
</table>

### Concentration Interdisciplinary Course (6–9 credits)

Courses from Earth & Atmospheric Sciences, Engineering, Physics, Mathematics, Chemistry, Biomedical Engineering, or Biomedical Sciences, Center for Sustainability, or G.I.S. courses

### Chemistry Concentration

**Concentration Core Department (9–12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 5180</td>
<td>Advanced Synthetic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5480</td>
<td>Synthetic Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5470</td>
<td>Principles of Medicinal Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5500</td>
<td>Advanced Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5550</td>
<td>Organometallic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5580</td>
<td>Solid State Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5590</td>
<td>Special Topics in Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5800</td>
<td>Fundamentals and Design of Nanotechnologies</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5850</td>
<td>Polymer Chemistry</td>
<td>3</td>
</tr>
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</table>

### Chemical Analysis & Physical Characterization (3–6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 5150</td>
<td>Statistical Methods for Physical Scientists</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5170</td>
<td>Advances in Analysis and Modeling of Chemical Systems</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5200</td>
<td>Analytical Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5205</td>
<td>Analytical Chemistry III Lab</td>
<td>1</td>
</tr>
<tr>
<td>CHEM 5250</td>
<td>Bioanalytical Methods of Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5280</td>
<td>Analytical Separations</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5270</td>
<td>Electroanalytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5280</td>
<td>Chemical Sensors</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5290</td>
<td>Special Topics in Analytical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5330</td>
<td>Advanced Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5340</td>
<td>Advanced Thermodynamics</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5350</td>
<td>Elements of Surface and Colloid Science</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5370</td>
<td>Computational Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5390</td>
<td>Special Topics in Physical Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5400</td>
<td>Organic Spectroscopy</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5450</td>
<td>Advanced Organic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5570</td>
<td>Group Theory &amp; Spectroscopy</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 5700</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>
Concentration Interdisciplinary Course (6–9 credits)
Courses from Earth & Atmospheric Sciences, Engineering, Physics, Mathematics, Chemistry, Biomedical Engineering, or Biomedical Sciences, Center for Sustainability, or G.I.S. Courses. Students should register for zero credits in Seminar CHEM 5820 each semester of their first two years before registering for IAS 5010 in years 3 and 4.

Environmental Sciences and G.I.S. Concentration

Concentration Core Department (9–12 credits)
EAS 4350 Ground Water Hydrology 3
EAS 4500 Scientific Communication 3
EAS 5150 Seminar in Geoscience 3
EAS 5800 Geoscience Journal Club 3
EAS 5170 Divergent/Convergent Margins 3
EAS 5180 Transform/Plate Interiors 3
EAS 5600 Atmospheric Chemistry 3
GIS 5010 Introduction to GIS 3
GIS 5020 Intermediate GIS 3
GIS 5040 Introduction to Remote Sensing 3
GIS 5060 Geospatial Methods in Environmental Studies 3
GIS 5070 Research Methods 3
GIS 5080 Digital Cartography & Geovisualization 3
GIS 5090 Programming for Remote Sensing/GIS 3
GIS 5100 Microwave Remote Sensing: SAR Principles, Data Processing and Applications 3
GIS 5110 Interferometric Synthetic Aperture Radar 3
GIS 5120 Geographic Information Science, Society and Sustainability 3
GIS 5070 Research Topics 0-6

Concentration Interdisciplinary Course (6–9 credits)
BIOL 4800 Landscape Ecology and Management 3
BIOL 5130 GIS in Biology 3
BIOL 5480 Conservation Biology 3
BIOL 6500 Problems in Ecology 3
CHEM 5700 Environmental Chemistry 3
SOC 5205 Science, Technology, & Public Policy 3
BSDP 5101 Fundamentals of Disaster Planning 3
EOH 5870 Research Topics in Environmental & Occupational Health 3
EAS 5340 Cloud Physics 3

Physics Concentration

Concentration Core Department (9–12 credits)
PHYS 5010 Nanoscience and Nanofabrication Frontiers 3
PHYS 5020 Experimental Physics 3
PHYS 5030 Mathematical Methods in Physics 3
PHYS 5040 Fundamentals of Electricity & Magnetism 3
PHYS 5050 Quantum Mechanics 3
PHYS 5070 Condensed Matter Physics 3

Concentration Interdisciplinary Course (6–9 credits)
CHEM 5570 Group Theory & Spectroscopy 3
CHEM 5340 Advanced Thermodynamics 3
CHEM 5370 Computational Chemistry 3
CHEM 5800 Fundamentals and Design of Nanoarchitectures 3
CHEM 5560 Solid State Chemistry 3
ECE 5131 Low-Noise Electronics Design 3
ECE 5132 Analog Integrated Circuit Design 3
ECE 5142 Microwave Theory & Techniques 3
ECE 5143 Antenna Theory and Design 3
ECE 5160 Advanced Filter Design 3
ECE 5236 Digital I.C. Design 3

Sustainability Science Concentration

Concentration Core Department (9–12 credits)
SUS 5010 Sustainability Foundations 3
SUS 5020 Environmental Aspects of Sustainability 3
SUS 5030 Sustainability in Society and Cultures 3
SUS 5040 Sustainable Business Practices 3
SUS 5100 Environmental Politics and Policy 3
SUS 5930 Special Topics 3

Concentration Interdisciplinary Course (6–9 credits)
GIS 5010 Research Methods 3
GIS 5010 Introduction to GIS 3
GIS 5020 Intermediate GIS 3
GIS 5040 Introduction to Remote Sensing 3
GIS 5060 Geospatial Methods in Environmental Studies 3
GIS 5070 Research Methods 3
GIS 5080 Digital Cartography & Geovisualization 3
GIS 5090 Programming for Remote Sensing/G.I.S. 3
GIS 5110 Interferometric Synthetic Aperture Radar 3
GIS 5120 Geographic Information Science, Society and Sustainability 3
GIS 5070 Research Topics 1-6
UPD 5000 Foundations of Planning 3
UPD 5020 Land Use Planning and Analysis 3
UPD 5200 Local Economic Development Policy and Practice 3
UPD 5220 Infrastructure Planning and Process 3
UPD 5250 Planning and Development in St. Louis 3
UPD 5280 Real Estate and Economic Development 3
UPD 5350 Environmental Planning 3
UPD 5380 Sustainability and the Built Environment 3
UPD 5370 Sustainable Site Planning 3
UPD 5450 Community Development Finance 3
UPD 5500 Real Estate Finance 3
UPD 5900 Planning and Development Studio 3

Non-Course Requirements
Assuming successful completion of oral and written comprehensive exams, students should complete the Ph.D. program in four to five years. Students entering the program with an appropriate M.S. degree may complete the program in less time, again assuming successful completion of oral and written comprehensive exams.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
INTERNATIONAL STUDIES
www.slu.edu/international-studies-program

LEADERSHIP
David Borgmeyer, Ph.D.
Director

OVERVIEW
The SLU Center for International Studies is an academic unit whose mission is to facilitate internationally-oriented education within the College of Arts and Sciences and across the University in collaboration with other units and partners.

The primary focus of the Center is the International Studies, as a secondary major which includes individualized multidisciplinary coursework, practical and service learning experiences, cultural appreciation through study abroad immersion, and the study of languages. The International Studies major enhances students' SLU education and supports the University's Jesuit mission and desire to engage with the world in the service of truth.

The Center draws upon outstanding faculty from across the university whose teaching and research is international in character and scope. This provides the deep and diverse expertise necessary to help students prepare themselves in a broad array of fields and disciplines for a rapidly changing and increasingly challenging world.

Undergraduate Offerings
+ Bachelor of Arts in International Studies
+ Minor in Middle East Studies

Faculty
Peter Bernhardt, Ph.D., Biology
James Bohman, Ph.D., Philosophy
J.D. Bowen, Ph.D., Political Science
Gerardo Camilo, Ph.D., Biology
Ellen Carnaghan, Ph.D., Political Science
Ellen Crowell, Ph.D., English
Ben de Foy, Ph.D., Earth & Atmospheric Sciences
Ajлина Karamieh-Muratovic, Ph.D., Sociology & Anthropology
Julia Lieberman, Ph.D., Languages, Literatures, & Cultures
Kathleen Llewellyn, Ph.D., Languages, Literatures, & Cultures
Ana Londoño, Ph.D., Earth & Atmospheric Sciences
Michelle Lorenzini, Ph.D., Political Science
Katherine MacKinnon, Ph.D., Sociology & Anthropology
Richard Mayden, Ph.D., Biology
George Ndege, Ph.D., History
Tomás O'Sullivan, Ph.D., Theological Studies
Jean-Louis Pautrot, Ph.D., Languages, Literatures, & Cultures
Jennifer Popiel, Ph.D., History
Ruben Rosario-Rodriguez, Ph.D., Theological Studies
Mark Ruff, Ph.D., History
Nil Santiáñez, Ph.D., Languages, Literatures, & Cultures

Cultures
Daniel Schlafly, Ph.D., History
Beth Schwaab, MPH, Global Health & Social Justice
Rabbi Mark Shook, Ph.D., Philosophy
Joya Uralzee, Ph.D., English
Emmanuel Uwalaka, Ph.D., Political Science
Robert Wood, Ph.D., Biology

MAJOR IN INTERNATIONAL STUDIES

Program Highlights
SLU's undergraduate degree in international studies is offered through the College of Arts and Science's Center for International Studies and must be completed in combination with a second or third major. Popular choices include public health, political science, business, history, the modern languages, and earth and atmospheric sciences.

A wide variety of courses will fulfill program requirements, from economics, political science and sociology to art history, philosophy and theology.

As part of a degree program, students will demonstrate proficiency in a modern language and complete an internship in international studies that can take place either in the United States or abroad.

Curriculum Overview
The study abroad requirement for this degree program can be fulfilled with classes, an internship or job outside of the country. This experience can be for a summer, fall or spring term and often occurs in the sophomore or junior year. While SLU offers study abroad opportunities in countries across the world, students can also study abroad at a non-affiliated program. International students studying at the St. Louis campus can use that experience toward a study abroad requirement.

Highlighted study abroad opportunities from the Center of International Studies include spending junior year at Oxford or spending a summer in Mumbai, India.

The Center for International Studies offers the Joe Adorjan scholarship to assist financially with study abroad experiences. Scholarships are also available through the Office of International Services.

Fieldwork and Research Opportunities
The Center for International Studies requires an internship as part of the curriculum to supplement students' academic career with practical experience. The internship site may be local as long as it is off campus. It must also have a fundamentally-international component.

The chapter of Sigma Iota Rho, an honor society for international studies, provides students with programs such as faculty research presentations and social service events, as well as other fun, internationally oriented activities.

Careers
An undergraduate degree in international studies prepares students for a global career and can make students more attractive to future employers. Some examples of fields where a degree in international studies can be beneficial include:

+ Public service with NGOs or governmental agencies
+ Global health
+ Education
+ Immigration law
+ Research
+ Environmental
+ Social reform

**Admission Requirements**

**Freshman**

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

**Transfer**

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

**Scholarships and Financial Aid**

There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses (4 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTD 1100</td>
<td>Introduction to International Studies</td>
<td>1</td>
</tr>
<tr>
<td>ISTD 4910</td>
<td>Internship in International Studies</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course Area One: Economics, Politics, Communications (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CMN 3300</td>
<td>Intercultural Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECON 1900</td>
<td>Principles of Economics</td>
<td>3</td>
</tr>
<tr>
<td>ECON 3120</td>
<td>Intermediate Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1800</td>
<td>Introduction to International Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2810</td>
<td>Introduction to Diplomacy</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3610</td>
<td>Sociology of International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course Area Two: History and Contemporary Culture (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREN 3250</td>
<td>Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>GR 3250</td>
<td>Culture and Civilization</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2710</td>
<td>History of China since 1844</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3140</td>
<td>20th Century Europe: The Era of World Wars, 1914 - 1945</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3180</td>
<td>History of Eastern Europe</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3180</td>
<td>History of Modern Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3180</td>
<td>History of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3230</td>
<td>History of Japan since 1839</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3240</td>
<td>History of Africa since 1844</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3250</td>
<td>The World in Conflict Since 1945</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3260</td>
<td>Modern France: 1815-present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3290</td>
<td>History of Russia since 1905</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3310</td>
<td>Modern European Diplomatic History</td>
<td>3</td>
</tr>
</tbody>
</table>

**Course Area Three: Elective Courses (21 credits)**

The remaining 21 credits may be selected from the list of approved courses. This is a multi-disciplinary degree, and courses should come from at least three subject areas. Students may also petition to have courses with an international focus taken abroad applied toward the International Studies major.

**TOTAL CREDITS: 31**

**Internship Requirement**

An internship (ISTD 4910 or equivalent) is a requirement of the major. The internship may be international or local. However, local internships must relate to international matters (3 credits). Students must consult with the Director of International Studies and complete an approval form before selecting an option.

**Non-Course Requirements**

**Study Abroad Requirement**

Residency abroad, whether for study or work, is a requirement of the major. Lengths of time vary (e.g. semester, academic year). Students must consult with their International Studies advisor before deciding on a particular program.

**Language Requirement**

Students must demonstrate proficiency in a second modern language by: a) successfully completing one of the following language courses: FREN 3040, GR 4010, ITAL 4020, RUSS 4150, or SPAN 3040, b) receiving other certification of proficiency, or c) having verified
At least one of the MES courses taken for the 19 credits

Program Requirements (St. Louis Campus)

- Students must have a grade of "C" or better in International Studies coursework and an overall 3.0 GPA.
- Students must earn a 3.0 cumulative GPA at the time of graduation.

MINOR IN MIDDLE EAST STUDIES

Overview

The Middle East is a region of historic and contemporary importance in which three of the major world faiths developed. Rulers built empires whose peoples made lasting contributions to philosophy, the visual and literary arts, architecture, and mathematics. The relevance of significant trade routes in the past continues in the region today in its major commercial centers and industries of profound importance. This minor facilitates the exploration of these various factors that have shaped the Middle East, also exposing students to the history, cultures, and religions of Judaism, Christianity, and Islam, among other religions in the region. The program is special in its historical scope—exploring the ancient, medieval, and modern periods—to encourage students to gain an unusual depth in their study of a complex world region. Moreover, the minor focuses not only on the geographic area of the traditional Middle East but also on areas influenced by or politically tied to the cultures of the Middle East, such as Spain and Africa. With courses from an array of fields in the College of Arts & Sciences, the Richard A. Chaifetz School of Business, and the Madrid, Spain campus, this minor is distinctly multidisciplinary.

Curriculum Overview

- Students must complete 18 credits of Middle East Studies (MES) courses for the minor. Students are encouraged to take MES courses from a range of disciplines on diverse topics, cultures, and time periods. Courses for the minor are offered at both the St. Louis and the Madrid campuses.

Some courses not listed here may count toward the minor with the approval of the Director. These must have a majority of material related to the Middle East. Courses that are taken in study abroad programs or that are Special Topics courses (with a temporary course number ending in '930') may also be approved for the minor and may count towards one of the area requirements with consultation from the Director.

Program Requirements (St. Louis Campus)

- At least one of the MES courses taken for the 19 credits of the minor must be at the 3000-4000 level.

Required course: (1 credit)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTD 1100</td>
<td>Introduction to International Studies</td>
<td>1</td>
</tr>
</tbody>
</table>

Humanities and the Arts Electives (3 credits)

Courses with MES HA attributes, such as

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 1090</td>
<td>Masterpieces of Global Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2100</td>
<td>The Art of Jerusalem and 3 Faiths</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2350</td>
<td>Excavating the Culture of 3 Faiths</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 2140</td>
<td>Islamic Art and Society</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3140</td>
<td>Islamic Art and Society: Advanced Studies</td>
<td>3</td>
</tr>
<tr>
<td>HIST 2730</td>
<td>The Middle East and North Africa</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3810</td>
<td>Introduction to the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3930</td>
<td>The Modern Middle East</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3930</td>
<td>The Making of Islamic Societies</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3930</td>
<td>Jihad: Striving in God's Way</td>
<td>3</td>
</tr>
<tr>
<td>MLNG 3200</td>
<td>Israeli Culture: From the Birth of Zionism to the 21st century</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4930</td>
<td>Spanish (Christian) Mysticism and its Muslim and Jewish Predecessors</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Science and International Business (3 credits)

Courses with MES SS attribute, such as

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB 3150</td>
<td>Middle Eastern Business</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2650</td>
<td>War and Peace in the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3880</td>
<td>Middle East/International Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2590</td>
<td>Politics of the Middle East and North Africa</td>
<td>3</td>
</tr>
</tbody>
</table>

Philosophy and Theological Studies (3 credits)

Courses with MES PT attribute, such as

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3480</td>
<td>Jewish Life: Bible to Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3490</td>
<td>Jewish Life and Thought: Middle Ages to Modern Times</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2110</td>
<td>Old Testament</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2210</td>
<td>New Testament</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2715</td>
<td>Jerusalem: Three Faiths, One City</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2720</td>
<td>Islam: Religion and Culture</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3110</td>
<td>Pentateuch</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3115</td>
<td>Old Testament: The Prophets</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3335</td>
<td>Christians in the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3725</td>
<td>Sufism: Islam's Mystical Tradition</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3730</td>
<td>Jewish Life: Bible to Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3730</td>
<td>Jewish Life and Thought: Middle Ages to Modern Times</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3930</td>
<td>Music, Poetry and Religious Identity</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3930</td>
<td>Martyrdom and Terrorism</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3930/4930</td>
<td>Heroes and Saints in Islamic Art/Lit</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives (9 credits)

Additional credits chosen from any of the three MES Attribute areas.

TOTAL CREDITS: 18

Program Requirements (Madrid Campus)

At least one of the MES courses taken for the 19 credits of the minor must be at the 3000-4000 level.

Required course: (1 credit)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTD 1100</td>
<td>Introduction to International Studies</td>
<td>1</td>
</tr>
</tbody>
</table>

Humanities and the Arts Electives (3 credits)

Courses with MES HA attributes, such as

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 3760</td>
<td>Medieval Spain: Christians, Jews and Muslims</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3770</td>
<td>History of the Jews in Spain</td>
<td>3</td>
</tr>
</tbody>
</table>

Social Science and International Business (3 credits)

Courses with MES SS attribute, such as
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 2930</td>
<td>Introduction to the Politics of the Middle East and North Africa</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4930</td>
<td>International Contemporary Challenges</td>
<td>3</td>
</tr>
<tr>
<td><strong>Philosophy and Theological Studies (3 credits)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Courses with MES PT attribute, such as</td>
<td></td>
</tr>
<tr>
<td>THEO 2490</td>
<td>Studies in Theology and History: Muslims, Christians and Jews in Medieval Spain</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2730</td>
<td>Islam: Religion and Culture</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2750</td>
<td>Jerusalem: City of Three Faiths</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2930</td>
<td>The Bible and the Holy Land</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2930</td>
<td>The Qur'an and the Bible</td>
<td>3</td>
</tr>
<tr>
<td>THEO 2930</td>
<td>Ancient Israel and the Near East</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3115</td>
<td>Old Testament: The Prophets</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3490</td>
<td>Studies in Theology and History: Archaeology of the Bible</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3730</td>
<td>Jewish Life and Thought</td>
<td>3</td>
</tr>
<tr>
<td>THEO 4710</td>
<td>Islam &amp; Christian Theology: Comparing Theological Themes</td>
<td>3</td>
</tr>
<tr>
<td><strong>Electives (9 credits)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional credits chosen from any of the three MES Attribute areas.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 19**

**Non-Course Requirements**

For the non-credit bearing required capstone, minors will revise a research paper that was originally written for an MES course from the minor with the counsel of a professor. The students will present the revised paper at an annual capstone event and write a brief commentary on their studies on the Middle East for submission to the Director of the minor.

**Language Study and Study Abroad Recommendation**

Though the MES minor does not require foreign language study or study abroad, the MES faculty strongly recommends that students with an interest in future careers or graduate studies in Middle East topics pursue relevant foreign language study and/or study abroad in the Middle East. Language courses taken abroad or in other universities may transfer and count towards the minor with approval from the Director of the minor. Students should discuss the options available with the Director of the minor and the Office of International Services.

**Continuation Standards**

All minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.
LANGUAGES, LITERATURES, AND CULTURES
www.slu.edu/arts-and-sciences/languages-literatures-cultures

LEADERSHIP
Annie K. Smart, Ph.D.
Department Chair
Jean-Louis Pautrot, Ph.D.,
French Graduate Program Director
Olga Arbeláez, Ph.D.
Spanish Graduate Program Director
Dan Nickolai, Ph.D
Director of the Language Resource Center:

OVERVIEW
The department explores languages, literature, and culture with the goal of appreciating the complexities of the global human experience in the increasingly interconnected world. In this challenging age of globalization, college graduates who can function in more than one language have some of the broadest opportunities for employment and advancement. By teaching students to engage with languages and cultures from Asia, Europe, Latin America, and the Middle East, the faculty encourage leaders of tomorrow to explore innovative and collaborative ways of communicating across cultural boundaries.

The Department of Languages, Literatures, and Cultures offers a Major or Minor in Chinese, French, German, Greek & Latin, Italian, Latin American Studies, Russian, Spanish, and the Classical Humanities. In addition, core courses are offered in Arabic.

Undergraduate Offerings
+ Bachelor of Arts in Classical Humanities
+ Bachelor of Arts in French
+ Bachelor of Arts in German Studies
+ Bachelor of Arts in Greek & Latin Language & Literature
+ Bachelor of Arts in Italian Studies
+ Bachelor of Arts in Latin American Studies
+ Bachelor of Arts in Russian Studies
+ Bachelor of Arts in Spanish
+ Minor in Chinese
+ Minor in French
+ Minor in German Studies
+ Minor Greek
+ Minor in Latin
+ Minor in Italian Studies
+ Minor in Latin American Studies
+ Minor in Russian Studies
+ Minor in Spanish

Graduate Offerings
+ Master of Arts in French
+ Master of Arts in Spanish

Faculty
Sheri Anderson-Gutiérrez, Ph.D.
Olga Arbeláez, Ph.D.
Sarah Bauer, M.A., M.Ed.
Yelena Belyaeva-Standen, Ph.D.
Simone Bregni, Ph.D.
Marie Cardona, Ph.D.
Arlene Cravens, Ph.D.
Elena Dalla Torre, Ph.D.
Anthony Daly, S.J., Ph.D.
Gregory Divers, Ph.D.
Christina García, Ph.D.
Lili Guo, M.D.
L. Cassandra Hamrick, Ph.D.
Joan Hart-Hasler, Ph.D.
Claudia Karagoz, Ph.D.
Julia Lieberman, Ph.D.
Kathleen Llewellyn, Ph.D.
Oscar López, Ph.D.
Germán Lorenzo-Ayala, M.A.
Kelly Lovejoy, Ph.D.
Evelyn Meyer, Ph.D.
Ana Montero, Ph.D.
David Murphy, Ph.D.
Daniel Nickolai, Ph.D.
Sydney Norton, Ph.D.
Jean-Louis Pautrot, Ph.D.
Pascale Perraudin, Ph.D.
Nil Santiáñez, Ph.D.
Karen Secrist, Ph.D.
Annie Smart, Ph.D.
Amy E. Wright, Ph.D.

BACHELOR OF ARTS IN CLASSICAL HUMANITIES

Program Highlights
The study of classical humanities, offered by the department of languages, literatures and cultures, is designed for students seeking firm foundations and interdisciplinary depth in their liberal arts education. It’s also intended for students who plan to pursue studies that are facilitated by knowledge of classical languages and culture. These include law, medicine, theology, philosophy, medieval and Renaissance studies, political science, communication, mythology, anthropology, psychology, art history, cultural criticism and the history of education.

+ Students studying classical languages enjoy small classes and personalized attention.
+ Students have a great deal of flexibility in their programs.
+ Students enjoy the resources of Saint Louis University’s Center for Medieval and Renaissance Studies as well as the Vatican Film Library.
+ Students have access to computing facilities that offer computer software and Internet support for Latin and Greek studies, literary studies and comparative literature.

Curriculum Overview
Saint Louis University's classical humanities major's flexible curriculum complements other majors based on
a knowledge of classical languages and culture — including law, medicine, theology, philosophy, political science, anthropology, forensic science, medieval studies and art history — and offers many types of tutorials and independent study options.

SLU's major in classical humanities requires 30 credits. Students will choose from three required courses in Latin, Greek — or both — and go on to take seven electives from any Greek or Latin courses or upper-division courses relating to classical culture. Students studying classical languages at SLU enjoy small classes and personalized attention.

Fieldwork and Research Opportunities
Students have access to the Center for Medieval and Renaissance Studies and the Vatican Film Library on campus, as well as access to computer software and internet support specifically for Latin and Greek studies, literary studies and comparative literature.

Careers
Most classical humanities graduates continue their professional study in classical languages or in other fields. Recent graduates of SLU's classical humanities program have entered fields such as law, theological studies, social work, art history, hospital administration and education, and medicine following graduate programs.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (9 credits)
All majors take the following sequence of 3 courses of either Greek or Latin:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GK 1010</td>
<td>Reading Greek I</td>
<td>3</td>
</tr>
<tr>
<td>GK 1020</td>
<td>Reading Greek II</td>
<td>3</td>
</tr>
<tr>
<td>GK 2010</td>
<td>Intermediate Greek Lang &amp; Lit</td>
<td>3</td>
</tr>
<tr>
<td>OR</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LATN 1010</td>
<td>Reading Latin I</td>
<td>3</td>
</tr>
<tr>
<td>LATN 1020</td>
<td>Reading Latin II</td>
<td>3</td>
</tr>
<tr>
<td>LATN 2010</td>
<td>Intern Latin: Language &amp; Lit</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses (21 Credits)
Students also take 21 credits chosen from any Greek or Latin courses, or courses of 3000-level or higher relating to Classical culture with the CLH attribute. These courses are offered by departments such as English. Examples of such elective courses are:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLH 4290</td>
<td>Intro to Classical Mythology</td>
<td>3</td>
</tr>
<tr>
<td>CLH 4310</td>
<td>Greek Tragedy: Origin &amp; Form</td>
<td>3</td>
</tr>
<tr>
<td>GK</td>
<td>Euripides</td>
<td>3</td>
</tr>
<tr>
<td>GK</td>
<td>Greek Tragedy: Origin &amp; Form</td>
<td>3</td>
</tr>
<tr>
<td>LATN 4020</td>
<td>Roman Letter Writers</td>
<td>3</td>
</tr>
<tr>
<td>LATN 4400</td>
<td>Readings in Ovid</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3380</td>
<td>The Classics and Literature</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3000</td>
<td>Ancient Greece</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4400</td>
<td>History Ancient Greek Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 30

Continuation Standards
Students with a major in Classical Humanities, Greek, or Latin must maintain a 2.0 GPA in courses required for the major.

Bachelor of Arts in French

Program Highlights
The Bachelor of Arts in French program, offered by the department of languages, literatures and cultures, aims to develop students' competency in the language, while increasing their knowledge of the French-speaking world. As the living environment becomes increasingly transnational, a major in French offers an attractive asset to careers in many fields, including business, medicine, politics, law and the humanities. In addition,
the major prepares students for graduate work in French by providing them with a broad range of courses in French and Francophone literature and culture.

Additional program highlights include:

+ We offer a wide variety of courses on the French-speaking world, including courses such as "French and International Relations," "Business French," "French Cinema," "French and Francophone Media."

+ Students can spend a year in Lyon, France. This year-long, full-immersion program allows students to experience the country and its culture firsthand. Students will take classes in the French university system with French students and other international students. Courses not only fulfill requirements for French majors at SLU, but students may also have an opportunity to complete some of their core requirements while in Lyon.

+ Students can also spend a semester or a year in Poitiers, France, studying at the Université de Poitiers alongside other international students and native French speakers. Courses taken as part of this full-immersion program may count toward the student's major or minor in French, study in other disciplines, or the student's core requirements.

+ The French experience at SLU extends beyond the classroom walls: students can participate in service opportunities in the St. Louis community; the departments offer frequent "activités culturelles" open to all levels; and host a chapter of the national French Honor Society Pi Delta Phi.

Curriculum Overview
French course offerings cover all centuries of French literature and culture, Francophone and postcolonial studies, gender studies, and interdisciplinary areas such as art and literature, music and literature, cinema, cross-cultural questions, literature and the environment. Special undergraduate offerings allow students to combine international, scientific and professional interests with French.

Fieldwork and Research Opportunities
Students are encouraged to enhance their major or minor through an immersion experience in a French-speaking country. SLU students can choose from a variety of study options in French including summer, semester and academic year programs in the cities of Lyon and Poitiers in France. SLU French majors often complete a major in another discipline (e.g. English, Biology, Psychology, International Business, Communication, etc.).

Careers
Benefits of the French program also include several career opportunities. By combining practical aspirations with the humanizing and broadening effects of language study, the undergraduate major prepares students to perform in a number of rewarding careers. Accessibility to faculty is a hallmark of the department of languages, literatures and cultures. Faculty will be happy to advise students on career options.

Career paths for French graduates include:

+ Education
+ International business
+ Nongovernmental organizations
+ Foreign Service
+ Law
+ Medicine
+ Research
+ Interpreting
+ Cultural services planning
+ Museum work
+ Relocation abroad services
+ Travel consultant
+ Study abroad advisor

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at
Program Requirements

Required Courses (12 credits)
FREN 3010 Discovering the French-Speaking World 3
FREN 3020 Text, Voice & Self-Expression 3
FREN 3030 21st-Century France 3
FREN 3040 Society, Nation & the Arts in Pre-Revolutionary France 3

Elective Courses (18 Credits)
FREN 3250 Contemporary French Culture 3
FREN 4110 Language & Linguistics 3
FREN 4160 French for the Professional 3
FREN 4170 French and the Sciences 3
FREN 4180 French and International Relations 3
FREN 4200 Perceiving other US and France 3
FREN 4220 French & Francophone Media 3
FREN 4250 Women and Global Issues 3
FREN 4300 Masculin/Féminin 3
FREN 4310 Contemp. Women Writers in France & Quebec 3
FREN 4320 French Short Story 3
FREN 4330 Studies in French Prose: Rabelais through 17th C. 3
FREN 4340 Studies in 18th C. French Prose 3
FREN 4350 Studies in 18th C. Novel 3
FREN 4360 Paris in 19th C. Lit. 3
FREN 4380 Studies in 20th C. French Prose 3
FREN 4410 French Poetry: Origins through 18th C. 3
FREN 4420 French Poetry: Romanticism to Baudelaire 3
FREN 4440 French Poetry: Symbolist to Present 3
FREN 4510 Early Modern French Theatre 3
FREN 4520 French Drama: 18th C. to the Romantics 3
FREN 4540 French Drama: 20th C. 3
FREN 4810 French Cinema 3
FREN 4820 The Prose Literature of Quebec 3
FREN 4830 Themes in French or Francophone Lit. 3
FREN 4840 Studies in Francophone Lit. 3
FREN 4850 French Cinema II: 80s-90s 3
FREN 4860 Nation, Identity & Culture 3
FREN 4870 Post-colonialism & Violence 3
FREN 4700 Love and Honor in Early Modern France 3
FREN 4710 Women and Writing in Early Modern Fr. 3
FREN 4850 Seminar on Molière 3
FREN 4870 Exoticism in French Literature 3
FREN 4930 Special Topics 0-3

Up to 9 credits may be in related fields with the approval of the Department.

TOTAL CREDITS: 30

NOTE: Students who begin their study of French at SLU above the 3010 level must complete an additional course or courses at the 4000 level to fulfill the 30 credits required for the major.

Non-Course Requirements
All French majors must complete a Senior Inquiry (FREN 4880) during their final year. For the Senior Inquiry, students have the option of completing an additional 4000-level course, or conducting a final research project under the supervision of a faculty member.

Continuation Standards
All French major courses must be completed with a grade of C or higher in order to count for the major/minor and for the student to continue in the major/minor.

Bachelor of Arts in German Studies

Program Highlights
Students who pursue a degree in German studies at Saint Louis University are:

+ Intent on becoming conversant in German in order to enhance their global career opportunities in international and domestic business, marketing, law, translation, government service, news service, museums, the publishing industry, and/or international studies.
+ Interested in gaining cultural proficiency in German, thus expanding their horizons and acquiring new perspectives with which to view their own culture.
+ Curious about language, rhetoric, and communication.
+ Looking to acquire German as a tool for graduate study in history, political science, library science, and countless other fields.

Both the major and minor programs involve learning German in a highly communicative atmosphere and entail a multidisciplinary approach to the history, politics, society, and culture of the German-speaking world.

Saint Louis University offers German studies students opportunities for summer, semester, and year-long study abroad programs that count toward degree options, especially through the department’s affiliation agreements with the University of Heidelberg and its U.S. counterpart — Heidelberg University in Tiffin, Ohio — the University of Frankfurt and the University of Stuttgart. Many German majors and minors take advantage of these study abroad opportunities to enhance their studies at SLU and in German, and especially their language skills, cultural competency skills, and general knowledge.

Additional program highlights include:
+ All learning is rigorous and takes place in intimate classroom settings and focuses on intercultural competencies that make students highly competitive on the job market.
+ All instruction is in German and interdisciplinary in nature, combining developing language proficiency with cultural, contemporary, and historical, and literary and artistic study pertaining to German.
+ The German faculty covers a broad range of research expertise, ranging from medieval to 19th century and contemporary, from the visual arts to literature and linguistics.

Curriculum Overview
All instruction is in German and is interdisciplinary in nature. Upper-division courses are taught in an intimate classroom setting, allowing for greater classroom discussion and unique learning experiences. Students will also have opportunities for extracurricular engagements that can strengthen understanding of the German culture and language.
Fieldwork and Research Opportunities
Benefits of the German studies program also include internship and career opportunities. Department faculty assist students in finding internships both in the St. Louis area and abroad.

Careers
Students who graduate with a degree in German studies from Saint Louis University are prepared to work in a number of rewarding fields, including:

+ Foreign Service
+ International business
+ International law
+ Scientific research
+ Social service
+ Translation
+ Museum Curation

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
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In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses* (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3010</td>
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</tr>
<tr>
<td>3020</td>
<td>3</td>
</tr>
<tr>
<td>3200</td>
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<td>3250</td>
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Language Skills (3 credits)

<table>
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</thead>
<tbody>
<tr>
<td>4010</td>
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<td>4250</td>
<td>3</td>
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</table>

Medieval Course (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>4500</td>
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</table>

Modern/Contemporary Courses (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>4150</td>
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<tr>
<td>4200</td>
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<tr>
<td>4350</td>
<td>3</td>
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<tr>
<td>4700</td>
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</table>

4000-level German Elective (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>4xxx</td>
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</tr>
</tbody>
</table>

German Related Area Elective (3 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>3250</td>
<td>3</td>
</tr>
<tr>
<td>3520</td>
<td>3</td>
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<tr>
<td>3010</td>
<td>3</td>
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</table>

4000-level Electives

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>4600</td>
<td>3</td>
</tr>
<tr>
<td>4750</td>
<td>3</td>
</tr>
</tbody>
</table>

Continuation Standards

All German Studies major courses must be completed with a grade of C or higher in order to count for the major/minor and for the student to continue in the major/minor.

Bachelor of Arts in Greek & Latin Language & Literature

Program Highlights

Saint Louis University's study of classical languages is
The German faculty covers a broad range of instruction in German and interdisciplinary in the Center for Medieval and Renaissance Studies. Students will have access to the Vatican Film Library and the Center for Medieval and Renaissance Studies.

Greek and Latin classes in Rome and other Mediterranean cities. Students of Greek and Latin choose to reside and take their academic experience by studying abroad. Many students of Greek and Latin enjoy small classes and personalized attention in a program that is flexible and offers many opportunities for tutorials and independent study.

Additional program highlights include:
+ All learning is vigorous and takes place in intimate classroom settings and focuses on intercultural competencies that make students highly competitive on the job market.
+ All instruction is in German and interdisciplinary in nature, combining developing language proficiency with cultural, contemporary and historical, and literary and artistic study pertaining to German.
+ The German faculty covers a broad range of research expertise, ranging from medieval to 19th century and contemporary, from the visual arts to literature and linguistics.

Curriculum Overview
A focus in Greek or Latin language and literature can complement almost any undergraduate degree program. The B.A. emphasizes the study of ancient texts in their original languages. It is often combined with another major, usually art history, biology, English, philosophy or theology. Students studying classical languages enjoy small classes and personalized attention. Students have flexibility in their programs, with many types of tutorials or independent study possible.

Greek and Latin language and literature students at SLU enjoy small classes and personalized attention in a program that is flexible and offers many opportunities for tutorials and independent study.

Students will be exposed to a wide range of significant writers and philosophers and their works.

Fieldwork and Research Opportunities
Saint Louis University encourages students to enhance their academic experience by studying abroad. Many students of Greek and Latin choose to reside and take Greek and Latin classes in Rome and other Mediterranean cities.

Students will have access to the Vatican Film Library and the Center for Medieval and Renaissance Studies.

Careers
Students who graduate with a degree in Greek and Latin language and literature from Saint Louis University are prepared to go on to pursue advanced degrees in fields such as:
+ Law
+ Medicine
+ Theology
+ Philosophy
+ Medieval and Renaissance studies
+ Political science
+ Communication
+ Anthropology
+ Psychology
+ Art history
+ Library science
+ Linguistics
+ Comparative literature

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant’s file. College admission test scores (ACT or SAT) are used as an additional indicator of the student’s ability to meet the University’s academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
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Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and
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For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GY 2010</td>
<td>3</td>
</tr>
<tr>
<td>LATN 2010</td>
<td>3</td>
</tr>
</tbody>
</table>

Elective Courses (24 Credits)

Students also take 24 credits of courses either 3XXX level or higher in Greek and Latin with the Greek or Latin attribute. These can be equally divided in number or with at least 2 courses in the lesser language. Examples of such courses, which are commonly taught, are:

- GK 4380 Xenophon
- GK 4620 Sophocles
- GK 4680 Euripides
- GK 4800 Readings in Plato
- GK 4810 The Greek Orators
- LATN 4020 Roman Letter Writers
- LATN 4230 Cicero as Essayist
- LATN 4280 Readings in St. Augustine
- LATN 4330 Readings in Select Historians
- LATN 4400 Readings in Ovid

TOTAL CREDITS: 30

Continuation Standards

Students with a major in Greek & Latin Language & Literature must maintain a 2.0 GPA in courses required for the major.

Bachelor of Arts in Italian Studies

Program Highlights

Studying Italian at Saint Louis University provides much more than proficiency in a foreign language. With Italian being one of Europe’s major languages, not to mention Italy's role in the development of Western Civilization and its ties to non-Western cultures, the small, vibrant program gives students access to a rich curriculum drawing from centuries-long contributions in literature, architecture, painting, sculpture, music, philosophy and science.

Additional program highlights include:

- The SLU Italian studies program is the only inter/multidisciplinary program in the Greater St. Louis area.
- The SLU Italian studies program offers more study abroad options in Italy than any language program in the Greater St. Louis area. For example, Rome, the capital; small, quaint Ascoli Piceno; the beautiful Amalfi coast in Sorrento and medieval university city Bologna.
- The SLU Italian studies program is unique with its strong emphasis on social justice, intercultural competence and global citizenship.

Curriculum Overview

The Italian Studies program is inter/multidisciplinary in nature. The focus of the Italian Studies major is the development of linguistic and cultural proficiency within a multidisciplinary/interdisciplinary context.

In collaboration with other departments and programs, Students may take courses in other area such as fine and performing arts, philosophy, theology, history, English, women's and gender studies, film, international studies and the Honors Program to tailor their curriculum to suit their needs and interests.

Students are also strongly encouraged to select a second major; virtually any other discipline can be considered (e.g., history, political science, psychology, theology, the sciences and others). By becoming a double major, students will significantly improve opportunities when entering the workforce, particularly in the areas of government service, or when applying for graduate study, especially in language and area studies programs.

Fieldwork and Research Opportunities

Beyond the classroom, the Italian program offers several opportunities to enrich classroom learning. La Tavola Italiana - The Italian Table meets weekly at SLU’s Center for Global Citizenship to provide casual conversation opportunities to all students at SLU. Italian Movie Night, regular movie viewings, give students a chance to learn about daily life in Italy as well as cultural and historic topics all in original version (but with subtitles). The student directed Italian Club also hosts other activities such as cooking classes, Bocce games, movie nights and outings.

A wide variety of study abroad programs in Italy are available for students of Italian, including the Spring Hill College Italy Center in Bologna, the Sant’Anna Institute in Sorrento, the Bablona Center in Taormina, the Loyola University Rome Campus and the Villa Nazareth in Rome.

Careers

An undergraduate degree in Italian studies prepares students for a number of rewarding careers. Opportunities are rich in fields such as literature, performing arts, cinema, design, politics, sports, fashion and industry. Hundreds of American companies operate in Italy. Students might pursue a career as a(n):

- International business representative
- International public relations professional
- Special agent
- Foreign Service officer
- Linguist
- Teacher
- Interpreter/translator

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory
course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

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Program Requirements

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 2010 Intermediate Italian: Lang &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3010 Written Comm. in Italian I</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3020 Oral Comm. in Italian I</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 4010 Written Comm. in Italian II</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 4020 Oral Comm. in Italian II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 3200 Italian Cinema</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3300 Women and Gender in Italy</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3450 Mafia and Antimafia in Italian Culture</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3500 Enlightening Tales: The Works of Italo Calvino</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3560 Medieval and Renaissance Italian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3800 Pre-Modern Italian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3850 Mod Italian Culture Across Borders &amp; Cultures</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3700 Migration and Multiculturalism</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3930 Special Topics</td>
<td>1-3</td>
</tr>
<tr>
<td>ITAL 4200 Dante's Divine Comedy</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 4350 Themes in Italian Literature of the Nineteenth Century</td>
<td>3</td>
</tr>
</tbody>
</table>

**Related Studies (9 credits)**
Upper-division coursework with the Italian -- Related Studies attribute, such as:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ARTH 3020 Christian Iconography</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3400 Art of Pilgrimage and Crusades</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3500 Early Renaissance Art &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3510 High Renaissance Art/Italy: Adv</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3600 Italian Baroque Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 4520 Renaissance Women and Art</td>
<td>3</td>
</tr>
<tr>
<td>ASTD 3010 Ethnic Groups in the U.S.</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3050 The Middle Ages 1100 to 1450</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3090 The Age of Renaissance</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3150 Europe since 1845</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3400 Italy: 900-1880</td>
<td>3</td>
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<tr>
<td>HIST 3410 Italy: 1880-Present</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3750 Daily Life in Early Mod Europe</td>
<td>3</td>
</tr>
<tr>
<td>LLC 3250 Migrants and Borders on Screen: The Cinema</td>
<td>3</td>
</tr>
<tr>
<td>MUSC 3300 History of Music I</td>
<td>3</td>
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<tr>
<td>MUSC 3310 History of Music II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4560 Medieval Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4110 Language and Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4130 Second Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3370 Teachers in Medieval Christianity</td>
<td>3</td>
</tr>
<tr>
<td>WGST 3300 Intercultural Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 30**

NOTE: Students who begin their study of Italian at SLU above the 3010 level must complete an additional course or courses at the 4000 level to fulfill the 30 credits required for the major.

**Continuation Standards**
All Italian Studies major courses must be completed with a grade of C or higher in order to count for the major and for the student to continue in the major.

**Bachelor of Arts in Latin American Studies**

**Program Highlights**
Historical, cultural, economic and political relations between the Americas have made Latin American Studies an important field of inquiry for numerous disciplines. The relevance of Latin American Studies continues to increase due to the importance of Latin America for the United States and the growing influence of the Hispanic population in the United States. Latin America is growing in global strategic importance while remaining a region of diverse opportunities and challenges. The economic growth of the region has been sustained in the past decade, and today Brazil and Mexico represent two of the largest economies in the world. Moreover, Latin America has 15 percent of the world’s oil reserves, large stocks of minerals, a quarter of its arable land and a third of its fresh water — all these vast resources of strategic and vital importance offer the opportunity for Latin America to develop its potential to become the world’s largest provider of food, energy and water.

Additional program highlights include:

+ The SLU Italian studies program is the only
inter/multi-disciplinary program in the Greater St. Louis area.

+ The SLU Italian studies program offers more study abroad options in Italy than any language program in the Greater St. Louis area. For example, Rome, the capital; small, quaint Ascoli Piceno; the beautiful Amalfi coast in Sorrento and medieval university city Bologna.

+ The SLU Italian studies program is unique with its strong emphasis on social justice, intercultural competence and global citizenship.

Curriculum Overview
The Latin American Studies program at Saint Louis University offers a series of courses in economics, history, political science, business, sociology, public health, criminal justice, theology as well as languages, literatures and culture studies designed to engage students with Latin America. The program exposes students to the methods, materials and tools of several academic areas that, with close mentoring, enable them to do their work from an interdisciplinary perspective, culminating in the senior inquiry course for the Latin American Studies degree options.

Fieldwork and Research Opportunities
Completion of one semester abroad and completion of at least 70 hours of community service during the semester in Latin America in coordination with the program director or Latin American Studies mentor is also required for the major.

Careers
While a strong command of Spanish will make students an excellent job candidate in the U.S. job market, the program also prepares graduates to work in Latin American offices within government agencies, nonprofits and NGOs. It is also helpful when entering the fields of international trade and finance, foreign service, international law, immigration studies, journalism and Hispanic media and communications.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

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Scholarships and Financial Aid
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For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Required Courses (12 credits)

- LAS 3000 Introduction to Latin American Studies
- HIST 3170 History of Colonial Latin America
- HIST 3180 History of Modern Latin America
- LAS 4960 Senior Inquiry

Elective Courses (21 credits)

TOTAL CREDITS: 33

Non-Course Requirements
Completion of one semester in a Latin American country.

Completion of at least 70 credits of community service during the semester in Latin America in coordination with the Program Director or LAS mentor.

Continuation Standards
All Latin American Studies major courses must be completed with a grade of C or higher in order to count for the major and for the student to continue in the major.

Bachelor of Arts in Russian Studies

Program Highlights
Saint Louis University has taught Russian studies for more than 50 years and is the only institution in the greater St. Louis region that provides a major in Russian studies.

Russia is often in the news because of scandalous behavior—Olympic scandals, international hacking incidents, interference in regional and global conflicts
and sanctions by the international community. Yet it remains a leading player on the world stage. Russia covers about one-eighth of the world's surface with lands that are rich in oil and minerals, borders 14 different nations (many of whom were once part of its Empire) and has a strong military force with nuclear capabilities. Students who visit Russia, however, find that its residents are concerned with the same economic, environmental and security issues that face the rest of the globe.

Additional program highlights include:

+ Students and faculty go on trips to local stores, churches and restaurants to share their common interest in Russian cultural immersion.
+ Russian studies students at SLU also participate in intensive summer Russian programs in the United States and study abroad opportunities that include a SLU-sponsored program at Smolny College through Bard College, allowing them to further improve their fluency.

Curriculum Overview

Requiring 30 credits of upper division courses, the Russian major emphasizes a communicative learner-centered approach to language learning. Students immerse themselves in Russian language, literature, film and culture by analyzing a wide range of issues, attending cultural events and conducting digital research for independent projects.

As a concentration, Russian Studies remains popular, particularly due to its prominent contributions to the arts and sciences. Students will learn about such writers as Fedor Dostoevsky, Lev Tolstoy and Anton Chekhov; famous explorers Vitus Bering and Yuri Gagarin; innovations made by Mikhail Lomonosov, Dmitri Mendeleev and Ivan Pavlov; classical musicians Petr Tchaikovsky and Igor Stravinsky and talented artists such as Mikhail Baryshnikov and Marc Chagall.

Fieldwork and Research Opportunities

Students have the opportunity to integrate their study of Russian with a variety of fields—chemistry, biology, literature, theater, theology, business, law and history—to prepare for future careers in intelligence, the non-profit sector, journalism and medicine. Russian Studies collaborates with other programs in the Departments of English, History, Political Science and Theological Studies to develop interdisciplinary courses with Russian-related content so that students can develop their interests in these academic disciplines, as well.

Careers

There is an increasing demand for Russian experts in several expanding fields, including computer science and cyber security, as well as many opportunities available in the St. Louis region for Russian studies students to study, teach and volunteer.

Former SLU students have earned prominent scholarships (Fulbright, STARTALK and Critical Languages) and have advanced to leading graduate programs in Russian and East European studies, diplomacy, law, social work, medicine and political science at prominent institutions across the country. Graduates have been hired by federal or intelligence agencies, non-profits and corporate institutions.

Graduates in Russian studies from Saint Louis University work in a wide range of businesses and organizations, including:

+ The U.S. Armed Forces, NASA, the NSA, the CIA and other military intelligence and federal agencies
+ Private businesses such as Microsoft, Delta, Reebok, Ford, AT&T, Avon and Hewlett-Packard
+ Nonprofit organizations such as Amnesty International, Green Cross, International Resettlement Agencies, Peace Corps, IREX, ACTR/ACCELS and Mother and Child Teachers of Russian in the United States, Russia and Eastern Europe
+ Slavic librarians

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant’s file. College admission test scores (ACT or SAT) are used as an additional indicator of the student’s ability to meet the University’s academic requirements and to qualify the student for certain University scholarship programs.

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Program Requirements

Language Component (6 credits)
- RUSS 3010 Oral & Written Proficiency I 3
- RUSS 3020 Oral & Written Prof in Russ II 3
- RUSS 3050 Russian Conversation 3

4000-level Russian Course (3 credits)
- RUSS 4010 Fluency in Russian 3
- RUSS 4100 Topics in Russian Grammar 3
- RUSS 4200 Topics in Russian Literature 3
- RUSS 4400 Pragmatics of Conversation 3

Cultural Component (3 credits)
- RUSS 3250 Russia From Peter to Putin: Imperial, Soviet, and Post-Soviet Culture 3

Political Science Requirement (3 credits)
- POLS 2590 Soviet and Post Soviet Politics 3
- POLS 4500 Russian Political Culture 3

History Requirement (3 credits)
- HIST 3280 Russia to 1905 3
- HIST 3290 Russian History Since 1905 3

Philosophy Requirement (3 credits)
- PHIL 4740 Philosophy of Karl Marx 3
- RUSS 4510 The Russian Orthodox 3

Literature and Film from the 19th-Century (3 credits)
- RUSS 3200 Saints and Sinners in Russian Literature and Film: 19th C. 3
- RUSS 3320 Dostoevsky Through the Centuries 3

Literature and Film from the 20th-Century (3 credits)
- RUSS 3250 Chekhov as Dramatist 3
- RUSS 3930 Special Topics with related course material 3

Elective Component (3 credits)
- RUSS 2220 Russian Culture & Civilization 3
- RUSS 3050 Russian Conversation 3
- RUSS 3070 Scientific Russian 3
- RUSS 3200 Saints & Sinners in Russian Literature and Film: 18th C. 3
- RUSS 3250 Russia for Peter to Putin 3
- RUSS 3320 Dostoevsky Through the Ages 3
- RUSS 3330 Lev Tolstoy: Writer, Soldier, Lover, Activist 3
- RUSS 3350 Chekhov as Dramatist 3
- RUSS 3930 Special Topics 0-3
- RUSS 4110 Language and Linguistics 3
- RUSS 4400 Pragmatics & Conversation 3
- RUSS 4510 The Russian Orthodox 3

TOTAL CREDITS: 30

Continuation Standards

All Russian Studies major courses must be completed with a grade of C or higher in order to count for the major and for the student to continue in the major.

Bachelor of Arts in Spanish

Program Highlights

+ The Spanish program at Saint Louis University prepares students for careers that require proficiency in Spanish or for graduate work in Spanish.
+ The Spanish program at SLU offers exciting classes in Spanish language, Spanish linguistics, Spanish for specific fields as well as Spanish literature, film and culture. Most students study abroad in programs all over Spain (the Madrid campus) and Latin America (Ecuador, Peru, Chile, Mexico and many more).
+ Spanish is the second most used language in the United States, spoken at home by more than 50 million people. Spanish is spoken around the world, by more than 480 million speakers on four continents and in 21 countries. It is one of the six official languages of the United Nations and one of the official languages of the European Union.
+ Based on the growth of the Hispanic population and the increase of Spanish-speakers worldwide, bilingual English/Spanish ability and cross-cultural understanding are valued assets within all fields but especially so within the business world, healthcare fields, government, education, cultural as well as international studies, social work and law enforcement. In addition, it is reported the need for foreign language teachers will increase 20 percent over the next 10 years in the US.

Curriculum Overview

The bachelor's degree in Spanish concentrates on advanced language training as well as cultural and literary studies.

In order to promote cultural awareness concerning Spanish and Hispanic issues, the department regularly organizes extracurricular activities. These activities range from movie nights, cultural talks, social service workshops and dance demonstrations to dinners and parties.

The annual graduate and undergraduate department of languages, literatures, and cultures student symposium attracts more than 100 participants from local and neighboring universities. This intellectual forum provides upper-level Spanish students insight into critical research and life in academia. Spanish majors who choose to write a senior thesis present their work at this event.

Fieldwork and Research Opportunities

At the Language Lab Center, all students have access to a wide range of multimedia technology designed to enhance the development of language and cultural proficiency. These include live satellite transmissions with news broadcasts; interactive video, film and multimedia; and a variety of computer programs.

The program encourages all students majoring in Spanish to spend one year at the campus in Madrid, Spain. Besides the traditional courses in Spanish language, culture and literature, students at the Madrid campus may select from a wide variety of offerings in the humanities, social sciences and natural sciences.
Many courses are taught in English as well. This experience abroad has proven to be an invaluable asset in competing for career opportunities.

**Careers**

A Spanish major is a valuable asset for a variety of careers, especially when students combine their Spanish studies with a second major. The rapidly evolving political climate and the international marketplace make knowledge of languages and cultures especially desirable. Saint Louis University students have the opportunity to complete an internship that utilizes their knowledge of the Spanish language at one of the many businesses, companies or community outreach facilities.

The major in Spanish, complemented by a second major such as international studies, uniquely qualifies students to compete in careers with an international orientation. Graduates may pursue careers in international law, business, economics, government work, foreign service or scientific research.

**Admission Requirements**

**Freshman**

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**Program Requirements**

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 3010</td>
<td>Written Comm.</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3020</td>
<td>Oral Comm.</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3030</td>
<td>Advanced Written Comm.</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 3040</td>
<td>Advanced Oral Comm.</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4200</td>
<td>Intro. to Hispanic Lit.</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4980</td>
<td>Senior Inquiry</td>
<td>0</td>
</tr>
</tbody>
</table>

**Elective Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>SPAN 4000</td>
<td>Advanced Spanish Grammar</td>
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</tr>
<tr>
<td>SPAN 4050</td>
<td>Spanish Phonetics &amp; Phonology</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4090</td>
<td>Spanish Sociolinguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4110</td>
<td>Language &amp; Linguistics</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4130</td>
<td>Language Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4110</td>
<td>Bus. &amp; Professional Spanish</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4190</td>
<td>Three in One: The Hispanic Experience</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4240</td>
<td>Contemporary Latin American Short Story</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4260</td>
<td>Lat. American &quot;Modernism&quot;</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4270</td>
<td>Contemp. Lat. American Poetry</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4280</td>
<td>Early Lat. American Novel</td>
<td>3</td>
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<tr>
<td>SPAN 4290</td>
<td>Contemporary Latin American Novel</td>
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<td>SPAN 4310</td>
<td>Contemporary Latin American Drama</td>
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</tr>
<tr>
<td>SPAN 4320</td>
<td>The African Experience in Spanish America</td>
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</tr>
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<td>SPAN 4330</td>
<td>Latin American Novel After 1970</td>
<td>3</td>
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<td>SPAN 4350</td>
<td>Counter Hagemony Discourses</td>
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<td>SPAN 4360</td>
<td>Women's Literature in Latin America</td>
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<td>SPAN 4370</td>
<td>Latin American Literature &amp; Film</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4380</td>
<td>Stereotypes in Latin American Culture</td>
<td>3</td>
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<tr>
<td>SPAN 4400</td>
<td>Strangers in a Familiar Land</td>
<td>3</td>
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<tr>
<td>SPAN 4520</td>
<td>From West Side Story to Hip Hop</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4580</td>
<td>Don Quixote</td>
<td>3</td>
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<tr>
<td>SPAN 4590</td>
<td>Spanish Jewry in Spain and in the Diaspora</td>
<td>3</td>
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<tr>
<td>SPAN 4610</td>
<td>Spanish Romanticism</td>
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</tr>
<tr>
<td>SPAN 4620</td>
<td>19th C. Spanish Novel</td>
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<td>SPAN 4630</td>
<td>Narrative of the Spanish Civil War</td>
<td>3</td>
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<td>SPAN 4800</td>
<td>Generation of 98</td>
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<tr>
<td>SPAN 4860</td>
<td>20th C. Spanish Thought</td>
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<tr>
<td>SPAN 4880</td>
<td>Contemporary Spanish Short Story</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4700</td>
<td>20th C. Spanish Poetry</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4710</td>
<td>20th C. Spanish Novel</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4720</td>
<td>20th C. Spanish Drama</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4740</td>
<td>Peninsular Spanish Poetry 1965-Present</td>
<td>3</td>
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<tr>
<td>SPAN 4750</td>
<td>Spanish Novel after 1970</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4780</td>
<td>Spanish Literature and Film</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4770</td>
<td>Spanish Women Poets</td>
<td>3</td>
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<tr>
<td>SPAN 4790</td>
<td>Spanish Culture &amp; Civilization</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4820</td>
<td>The Short Story In Medieval Spain</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4830</td>
<td>Spanish Medieval Masterpieces</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4840</td>
<td>Love in the Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4850</td>
<td>16th and 17th C. Spanish Prose</td>
<td>3</td>
</tr>
<tr>
<td>SPAN 4900</td>
<td>Between Tears &amp; Laughter: Gender Stereotypes in Spanish Cartoons</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 30**

**NOTE:** Students who begin their study of Spanish at SLU above the 3010 level must complete an additional course or courses at the 4000 level to fulfill the 30 credits required for the major.

**Continuation Standards**

All courses for the Spanish major must be completed with grade of C or better.
MINOR IN CHINESE

Program Requirements

Students who begin their study of Chinese at SLU above the 1010 level must complete an additional course or courses in Chinese to fulfill the 18 credits required for the minor.

Required Courses (18 credits)

CHIN 1010 Communicating in Chinese I 3
CHIN 1020 Communicating in Chinese II 3
CHIN 2010 Intermediate Chinese I 3
CHIN 2020 Intermediate Chinese II 3
CHIN 3010 Oral & Written Prof Chinese I 3
CHIN 3020 Oral & Written Prof Chinese II 3

TOTAL CREDITS: 18

Continuation Standards

All Chinese minor courses must be completed with a grade of C or higher in order to count for the major/minor and for the student to continue in the minor.

MINOR IN FRENCH

Program Requirements

Required Courses (12 credits)

FREN 3010 Discovering the French-Speaking World 3
FREN 3020 Text, Voice & Self-Expression 3
FREN 3030 21st Century France 3
FREN 3040 Society, Nation & the Arts in Pre-Revolutionary France 3

Elective Courses (8 Credits)

FREN 3260 Contemporary French Culture 3
FREN 4110 Language & Linguistics 3
FREN 4160 French for the Professional 3
FREN 4170 French and the Sciences 3
FREN 4180 French and International Relations 3
FREN 4200 Perceiving Other US and France 3
FREN 4220 French & Francophone Media 3
FREN 4280 Women and Global Issues 3
FREN 4300 Masculin/Feminin 3
FREN 4310 Contemp. Women Writers in France & Quebec 3
FREN 4320 French Short Story 3
FREN 4330 Studies in French Prose: Rabelais through 17th C. 3
FREN 4340 Studies in 18th C. French Prose 3
FREN 4350 Studies in 19th C. Novel 3
FREN 4380 Paris in 19th C. Lit. 3
FREN 4390 Studies in 20th C. French Prose 3
FREN 4410 French Poetry: Origins through 18th C. 3
FREN 4420 French Poetry: Romanticism to Baudelaire 3
FREN 4440 French Poetry: Symbolist to Present 3
FREN 4510 Early Modern French Theatre 3
FREN 4520 French Drama: 18th C. to the Romantics 3
FREN 4540 French Drama: 20th C. 3
FREN 4610 French Cinema 3
FREN 4620 The Prose Literature of Quebec 3
FREN 4630 Themes in French or Francophone Lit. 3
FREN 4640 Studies in Francophone Lit. 3
FREN 4650 French Cinema II: 80s-90s 3
FREN 4660 Nation, Identity & Culture 3
FREN 4670 Post-colonialism & Violence 3
FREN 4700 Love and Honor in Early Modern France 3
FREN 4710 Women and Writing in Early Modern Fr. 3
FREN 4850 Seminar on Molière 3

FREN 4870 Exoticism in French Literature 3

TOTAL CREDITS: 18

NOTE: Students who begin their study of French at SLU above the 3010 level must complete an additional course or courses at the 4000 level to fulfill the 18 credits required for the minor.

Continuation Standards

All French minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

MINOR IN GERMAN STUDIES

Program Requirements

Required Courses (12 credits)

GR 3010 Oral & Written Proficiency in German I 3
GR 3020 Oral & Written Proficiency in German II 3
GR 3200 German Culture Studies I 3
GR 3250 German Culture Studies II 3

4000-level German Elective (3 credits)

GR 4010 Fluency in German 3
GR 4150 Berlin 3
GR 4200 Modern German Press 3
GR 4250 Business German 3
GR 4350 German Film 3
GR 4500 Medieval German Literature 3
GR 4850 Wolfram's Parzival: Gender, Race and Otherness 3
GR 4700: Weimar Republic 3
GR 4750 The German Press 3

TOTAL CREDITS: 15

NOTE: Students who begin their study of German at SLU above the 3010 level must complete an additional course or courses at the 4000 level to fulfill the 15 credits required for the minor.

Continuation Standards

All German Studies minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

MINOR IN GREEK

Program Requirements

Required Courses (9 credits)

GK 1010 Reading Greek I 3
GK 1020 Reading Greek II 3
GK 2010 Intermediate Greek Lang & Lit 3

Elective Courses (9 Credits)

GK 4380 Xenophon 3
GK 4520 Sophocles 3
GK 4580 Euripides 3
GK 4600 Readings in Plato 3
GK 4810 The Greek Orators 3

Students also take 9 credits of 
Elective Courses (9 credits)

Examples of such courses, which are commonly taught, are:

GK 4380 Xenophon 3
GK 4520 Sophocles 3
GK 4580 Euripides 3
GK 4600 Readings in Plato 3
GK 4810 The Greek Orators 3
**TOTAL CREDITS: 18**

**Continuation Standards**

Students with a minor in Greek must maintain a 2.0 GPA in courses required for the major.

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**MINOR IN LATIN**

**Program Requirements**

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>LATN 1010</td>
<td>Reading Latin I</td>
<td>3</td>
</tr>
<tr>
<td>LATN 1020</td>
<td>Reading Latin II</td>
<td>3</td>
</tr>
<tr>
<td>LATN 2010</td>
<td>Interm Latin: Language &amp; Lit</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses (9 Credits)**

Students also take 9 credits of courses either 3000-level or higher in Latin with the Latin attribute. Examples of such courses, which are commonly taught, are:

- LATN 4020 Roman Letter Writers
- LATN 4230 Cicero as Essayist
- LATN 4280 Readings in St. Augustine
- LATN 4330 Readings in Select Historians
- LATN 4400 Readings in Ovid

**TOTAL CREDITS: 18**

**Continuation Standards**

Students with a minor in Latin must maintain a 2.0 GPA in courses required for the minor.

---

**MINOR IN ITALIAN STUDIES**

**Program Requirements**

Students who begin their study of French at SLU above the 3010 level must complete an additional course or courses at the 3000 or 4000 level to fulfill the 18 credits required for the minor.

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ITAL 2010</td>
<td>Intermediate Italian: Lang &amp; Culture</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3010</td>
<td>Written Comm. in Italian I</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3020</td>
<td>Oral Comm. in Italian I</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3200</td>
<td>Italian Cinema I</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3300</td>
<td>Women and Gender in Italy</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3450</td>
<td>Mafia and Antimafia in Italian Culture</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3500</td>
<td>Enlightening Tales: The Works of Ilte Calvino</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3550</td>
<td>Medieval and Renaissance Italian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3800</td>
<td>Pre-Modern Italian Literature</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 3850</td>
<td>Mod Italian Culture Across Borders &amp; Cultures</td>
<td>3</td>
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<tr>
<td>ITAL 3700</td>
<td>Migration and Multiculturalism</td>
<td>3</td>
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<tr>
<td>ITAL 4010</td>
<td>Special Topics</td>
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<td>ITAL 4020</td>
<td>Written Comm. in Italian II</td>
<td>3</td>
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<td>ITAL 4200</td>
<td>Dante's Divine Comedy</td>
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<td>ITAL 4350</td>
<td>Themes in Italian Literature of the Nineteenth Century</td>
<td>3</td>
</tr>
<tr>
<td>ITAL 4930</td>
<td>Special Topics</td>
<td>1-3</td>
</tr>
</tbody>
</table>

**Related Studies (6 credits)**

Upper-division coursework with the Italian -- Related Studies attribute, such as:

- ARTH 3020 Christian Iconography
- ARTH 3400 - Art of Pilgrimage and Crusades

**TOTAL CREDITS: 18**

**Continuation Standards**

All Italian Studies minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

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**MINOR IN ITALIAN AMERICAN STUDIES**

**Program Requirements**

**Required Courses (12 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>LAS 3000</td>
<td>Introduction to Latin American Studies</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3170</td>
<td>History of Colonial Latin America</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3180</td>
<td>History of Modern Latin America</td>
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</tr>
<tr>
<td>LAS 4980</td>
<td>Senior Inquiry</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses (6 credits)**

**TOTAL CREDITS: 18**

**Non-Course Requirements**

Completion of one semester abroad as described for the major.

Completion of at least 40 credits of community service during the semester in Latin America.

**Continuation Standards**

All Latin American Studies minor courses must be completed with a grade of C or higher in order to count for the major and for the student to continue in the major.

---

**MINOR IN RUSSIAN STUDIES**

**Program Requirements**

**Required Course**

- RUSS 3200 Saints and Sinners in Russian Literature and Film: 19 c.

**Russian Language (6 credits)**

Select two of the following:

- RUSS 3010 Oral & Written Proficiency I
- RUSS 3020 Oral & Written Prof in Russ II
- RUSS 3050 Russian Conversation

**Elective Courses (6 Credits)**

Select two of the following (at least 3 credits must be at the
Section 3

Elective Courses (6 Credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUSS 3250</td>
<td>Russia From Peter to Putin: Imperial, Soviet, and Post-Soviet Culture</td>
</tr>
<tr>
<td>RUSS 3320</td>
<td>Dostoevsky Through the Centuries</td>
</tr>
<tr>
<td>RUSS 3330</td>
<td>Lev Tolstoy: Writer, Soldier, Lover, Activist</td>
</tr>
<tr>
<td>RUSS 3350</td>
<td>Chekhov as Dramatist: Performance, Adaptations, and Intermedial Transpositions</td>
</tr>
<tr>
<td>RUSS 3440</td>
<td>Art, Media, &amp; Power in Post-Soviet Russia</td>
</tr>
<tr>
<td>RUSS 3930</td>
<td>Special Topics</td>
</tr>
<tr>
<td>RUSS 4400</td>
<td>Pragmatics &amp; Conversation</td>
</tr>
<tr>
<td>RUSS 4510</td>
<td>The Russian Orthodox</td>
</tr>
<tr>
<td>HIST 3260</td>
<td>Russian History Since 1805</td>
</tr>
<tr>
<td>PHIL 4740</td>
<td>Philosophy of Karl Marx</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 15**

**Continuation Standards**

All Russian Studies minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

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Section 4

Minor in Spanish

**Program Requirements**

**Required Courses (15 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>SPAN 3010</td>
<td>Written Comm.</td>
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<tr>
<td>SPAN 3020</td>
<td>Oral Comm.</td>
</tr>
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<td>SPAN 3030</td>
<td>Advanced Written Comm.</td>
</tr>
<tr>
<td>SPAN 3040</td>
<td>Advanced Oral Comm.</td>
</tr>
<tr>
<td>SPAN 4200</td>
<td>Intro. to Hispanic Lit.</td>
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</table>

**Elective Courses (6 Credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPAN 4000</td>
<td>Advanced Spanish Grammar</td>
</tr>
<tr>
<td>SPAN 4050</td>
<td>Spanish Phonetics &amp; Phonology</td>
</tr>
<tr>
<td>SPAN 4090</td>
<td>Spanish Sociolinguistics</td>
</tr>
<tr>
<td>SPAN 4110</td>
<td>Language &amp; Linguistics</td>
</tr>
<tr>
<td>SPAN 4130</td>
<td>Language Acquisition</td>
</tr>
<tr>
<td>SPAN 4180</td>
<td>Bus. &amp; Professional Spanish</td>
</tr>
<tr>
<td>SPAN 4190</td>
<td>Three in One: The Hispanic Experience</td>
</tr>
<tr>
<td>SPAN 4240</td>
<td>Contemporary Latin American Short Story</td>
</tr>
<tr>
<td>SPAN 4260</td>
<td>Lat. American &quot;Modernism*</td>
</tr>
<tr>
<td>SPAN 4270</td>
<td>Contemp. Lat. American Poetry</td>
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<td>SPAN 4260</td>
<td>Early Lat. American Novel</td>
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<td>SPAN 4280</td>
<td>Contemporary Latin American Novel</td>
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<td>SPAN 4310</td>
<td>Contemporary Latin American Drama</td>
</tr>
<tr>
<td>SPAN 4320</td>
<td>The African Experience in Spanish America</td>
</tr>
<tr>
<td>SPAN 4330</td>
<td>Latin American Novel After 1970</td>
</tr>
<tr>
<td>SPAN 4350</td>
<td>Counter Hegemony Discourses</td>
</tr>
<tr>
<td>SPAN 4380</td>
<td>Women's Literature in Latin America</td>
</tr>
<tr>
<td>SPAN 4370</td>
<td>Latin American Literature &amp; Film</td>
</tr>
<tr>
<td>SPAN 4380</td>
<td>Stereotypes in Latin American Culture</td>
</tr>
<tr>
<td>SPAN 4400</td>
<td>Strangers in a Familiar Land</td>
</tr>
<tr>
<td>SPAN 4520</td>
<td>From West Side Story to Hip Hop</td>
</tr>
<tr>
<td>SPAN 4580</td>
<td>Don Quixote</td>
</tr>
<tr>
<td>SPAN 4590</td>
<td>Spanish Jewry in Spain and in the Diaspora</td>
</tr>
<tr>
<td>SPAN 4610</td>
<td>Spanish Romanticism</td>
</tr>
<tr>
<td>SPAN 4620</td>
<td>18th C. Spanish Novel</td>
</tr>
<tr>
<td>SPAN 4630</td>
<td>Narrative of the Spanish Civil War</td>
</tr>
<tr>
<td>SPAN 4660</td>
<td>Generation of 90</td>
</tr>
<tr>
<td>SPAN 4670</td>
<td>20th C. Spanish Thought</td>
</tr>
<tr>
<td>SPAN 4680</td>
<td>Contemporary Spanish Short Story</td>
</tr>
<tr>
<td>SPAN 4700</td>
<td>20th C. Spanish Poetry</td>
</tr>
<tr>
<td>SPAN 4710</td>
<td>20th C. Spanish Novel</td>
</tr>
<tr>
<td>SPAN 4720</td>
<td>20th C. Spanish Drama</td>
</tr>
<tr>
<td>SPAN 4740</td>
<td>Pan-Medieval Spanish Poetry 1865-Present</td>
</tr>
<tr>
<td>SPAN 4750</td>
<td>Spanish Novel after 1970</td>
</tr>
<tr>
<td>SPAN 4760</td>
<td>Spanish Literature and Film</td>
</tr>
<tr>
<td>SPAN 4770</td>
<td>Spanish Women Poets</td>
</tr>
<tr>
<td>SPAN 4790</td>
<td>Spanish Culture &amp; Civilization</td>
</tr>
<tr>
<td>SPAN 4820</td>
<td>The Short Story in Medieval Spain</td>
</tr>
<tr>
<td>SPAN 4830</td>
<td>Spanish Medieval Masterpieces</td>
</tr>
<tr>
<td>SPAN 4840</td>
<td>Love in the Middle Ages</td>
</tr>
<tr>
<td>SPAN 4850</td>
<td>18th and 17th C. Spanish Prose</td>
</tr>
<tr>
<td>SPAN 4900</td>
<td>Between Tears &amp; Laughter: Gender</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 18**

**NOTE:** Students who begin their study of Spanish at SLU above the 3010 level must complete an additional course or courses at the 4000 level to fulfill the 18 credits required for the minor.

**Continuation Standards**

All courses for the Spanish major must be completed with grade of C or better.

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Section 5

**Master of Arts in French**

**Program Highlights**

The Master of Arts (M.A.) degree program in French offers a diverse curriculum in French language, cultures, and literatures, including Francophone studies, film, and gender studies. The Master of Arts is designed to suit the needs of those planning or already engaged in professional careers such as teaching or international affairs. At the same time, the program provides excellent preparation for studies in French beyond the Master's degree.

**Double M.A. Degree**

Through a partnership between Saint Louis University and the University of Poitiers in France, students have the opportunity to earn a double degree. Students who successfully complete the program will receive both a M.A. from the University of Poitiers and a M.A. in French from Saint Louis University.

Students selected for this exciting exchange program spend one academic year at each institution, studying French or comparative literature, image and politics. Students are selected during their first year of graduate studies and must apply and be accepted separately at SLU and the University of Poitiers.

**Curriculum Overview**

The program is suited to those planning or engaged in professional careers such as teaching or international affairs. At the same time, the degree program has a proven record in preparing those who elect to continue their studies beyond the M.A. level in French.

Qualified students may add a graduate minor in Spanish to their M.A. degree program in French. This combination can be an attractive option for those preparing to teach or work in an environment where competency in two Romance languages would be an asset.

**Fieldwork and Research Opportunities**

In order to achieve optimal levels of linguistic and cultural proficiency in French, students may wish to participate in an approved program abroad. M.A. students have profited from coursework and cultural immersion in France, in Québec City (Université Laval) in Canada or at other universities. Qualified students may add a minor in Spanish to their M.A. degree in the French program.
Opportunities for professional development include participation in the annual SLU Graduate Student Symposium and SLU online student journal.

**Careers**
After graduating with a master's degree in French, students might pursue a career as a teacher, foreign service officer or a translator.

**Admission Requirements**
An undergraduate major in French or the equivalent.
Applicants will be reviewed based on their GPA, TOEFL scores (for international applicants) and standardized test scores.

**Application Requirements**
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE score or Miller's Analogy test score
+ Résumé
+ Interview (desired)
+ Professional goal statement
+ Writing sample in French

**Requirements for International Students**
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.
  Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Application Deadlines**
Students who want to be considered for an assistantship must submit their application by Feb. 1 for the fall semester.

The final deadline to apply for the fall semester is July 1 for U.S. applicants and May 1 for international applicants. The final deadline to apply for the spring semester is Dec. 1 for U.S. applicants and Oct. 1 for international applicants.

**Review Process**
The examining committee takes into account each item of the application.

**Scholarships and Financial Aid**
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses (3 credits)**
FREN 5100 Critical Writing, Oral Expression, and Research

**Coursework prior to 1900 (9 credits)**

**Coursework after 1900 (9 credits)**

**Elective Courses (6 credits)**

**TOTAL CREDITS: 30**

**Graduate Courses**
FREN 5040 Methods and Technology for Teaching French 3
FREN 5070 Studies in Francophone Culture 3
FREN 5200 Perceiving Others 3
FREN 5220 French and Francophone Media 3
FREN 5230 Women and Global Issues 3
FREN 5230 French "Morality" 3
FREN 5040 The Age of Enlightenment 3
FREN 5360 Studies in 20th-Century French Novel 3
FREN 5370 Literature of the Fantastic 3
FREN 5390 Studies in 20th-Century French Prose 3
FREN 5410 Early Modern French Poetry 3
FREN 5420 Studies in 19th-Century French Poetry 3
FREN 5510 Early Modern French Theater 3
FREN 5540 Studies in 20th-Century French Theater 3
FREN 5220 French and Francophone Media 3
FREN 5550 Writers of Memory 3
FREN 5600 Contemporary Women Writers in France and Quebec 3
FREN 5610 French Cinema 3
FREN 5630 Studies in Francophone Literature 3
FREN 5660 Nation, Identity and Culture 3
FREN 5670 Post-colonialism and Violence 3
FREN 5700 Love & Honor in Early Modern France 3
FREN 5710 Women and Writing in Early Modern France 3
FREN 5850 Seminar on Molière 3
FREN 5890 The World of Baudelaire 3
FREN 5670 Exoticism in French Literature 3

**Non-Course Requirements**
A final written project to be approved by the graduate examination committee or a written comprehensive examination.

**Continuation Standards**
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

**MASTER OF ARTS IN SPANISH**

**Program Highlights**
Saint Louis University's graduate program in Spanish offers a holistic and diversified approach to the study of Spanish language, Hispanic culture and literature, giving students a solid, up-to-date background in Hispanic studies and broadening their perspective within specific areas of interest. Course offerings include Peninsular and Latin American literature and culture, Afro-Hispanic literature, film, art, women writers, linguistics and teaching methodologies.

**Curriculum Overview**
The program is suited to those planning or already engaged in professional careers such as teaching or international affairs and provides excellent preparation for doctoral studies.

Degree requirements include 30 credits of coursework, a final written examination and a final oral examination. Courses are offered year-round at Saint Louis University's campuses in St. Louis, Missouri, and Madrid, Spain. Students may fulfill all or part of the program requirements on either campus.

**Fieldwork and Research Opportunities**
The program is offered on two campuses: Madrid and St. Louis. Students may fulfill all or part of the program requirements on either campus. Students wishing to complete the program exclusively in Madrid have two options: they may complete it in three summers extendable to five, or they may complete it through a combination of summers and the regular spring and fall semesters.

Saint Louis University's Madrid campus, the first fully accredited U.S. University recognized by Spanish higher education authorities, has been educating students for more than 40 years. It is guided by the same Jesuit ideals and traditions as the St. Louis campus.

Careers
Graduates with an M.A. in Spanish are prepared for careers as teachers, foreign service officers, translators or travel consultants.

Admission Requirements
An undergraduate major in Spanish or the equivalent. Applicants will be reviewed based on their GPA, TOEFL scores (for international applicants) and standardized test scores.

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE score or Miller's Analogies test score
+ Résumé
+ Interview (desired)
+ Professional goal statement
+ Writing sample in Spanish

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application Deadlines
For priority consideration of assistantships, students must submit their application for the fall semester by Feb. 21, and for the spring semester by Oct. 31. International students should apply for the fall semester by May 1, and for the spring semester by Oct. 1.

Review Process
The examining committee takes into account each item of the application.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Course Requirements
Of the ten courses required for the degree, two must be in the area of Latin American Studies, two in Peninsular Spanish Studies, and two in Teaching or Linguistics

TOTAL CREDITS: 30

Graduate Courses
SPAN 5020 Spanish In the World
SPAN 5030 Spanish Linguistics
SPAN 5040 Methods and Technology for the Teaching of Spanish
SPAN 5050 Spanish Phonology and its Place in the Classroom
SPAN 5070 Spanish Stylistics
SPAN 5080 Learning Texts: Tradition, Authenticity and Virtuality
SPAN 5780 Contemporary Spanish Culture and Civilization
SPAN 5100 Contemporary Spanish American Culture and Civilization
SPAN 5220 Introduction to Literary Criticism
SPAN 5240 Short Stories: History, Histories
SPAN 5280 Latin American "Modernismo"
SPAN 5270 Contemporary Latin American Poetry
SPAN 5280 Early Latin American Novel
SPAN 5290 Boom, Mass Media and Utopia
SPAN 5310 Women Writing Women: Latin American Women Playwrights
SPAN 5320 The African Experience in Spanish America
SPAN 5330 Narratives on the End of Utopias
SPAN 5350 Counter Hegemony Discourses
SPAN 5380 Written by Herself: Latin American Women Writers
SPAN 5370 Latin American Film
SPAN 5390 Cultural Stereotypes: Latin America
SPAN 5780 Contemporary Spanish Women Writers
SPAN 5830 Three Spanish Literary Masterpieces
SPAN 5560 Don Quixote by Cervantes
SPAN 5570 Golden Age Lyric Poetry
SPAN 5580 Golden Age Drama
SPAN 5550 Spanish Jewry in Medieval Spain
SPAN 5610 Nineteenth-Century Poetry and Drama
SPAN 5620 Nineteenth-Century Novel
SPAN 5880 Contemporary Spanish Short Story
SPAN 5700 Twentieth-Century Poetry
SPAN 5710 Twentieth-Century Novel
SPAN 5720 Twentieth-Century Drama
SPAN 5730 Spanish Literature and Film
SPAN 5740 From the Poetry of Knowledge to the Poetry of the Turn of the Century
SPAN 5750 Spanish Novel after 1970
SPAN 5770 Carpe Verbum: The Journey of Women Poets in Contemporary Spain

Non-Course Requirements
A final written exam over a reading list and a final oral degree exam over coursework.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
MATHMATICS AND STATISTICS
mathstat.slu.edu

LEADERSHIP
Bryan Clair, Ph.D.
  Department Chair
Brody Johnson, Ph.D.
  Associate Chair
Bradley Currey, Ph.D.
  Graduate Director

OVERVIEW
In Mathematics, the department offers a Bachelor of Arts (B.A.), Bachelor of Science (B.S.), Master of Arts (M.A.) and Doctor of Philosophy (Ph.D.) in Mathematics, as well as a minor in mathematics, a minor in engineering mathematics, and a minor in actuarial mathematics. The department also participates in a Master of Science (M.S.) program in Bioinformatics and Computational Biology, and in Accelerated Bachelors/Masters programs that combine this M.S. degree with either of the Bachelors offerings.

Faculty are leaders in both research and teaching, and students go on to many career paths, including business, industry, medicine, government, and education.

Mathematics and Statistics courses meet the needs of students with a wide variety of interests. The department offers several introductory courses to satisfy the core curriculum requirements, as well as courses that provide students in other disciplines with the mathematical and statistical background that they need for their chosen fields of study. Students who major in Mathematics are prepared for careers in business, industry, government, and education, or for further study at the graduate level, in math, computer science, law, or medicine.

Undergraduate Offerings
  + Bachelor of Arts in Mathematics
  + Bachelor of Science in Mathematics
  + Minor in Actuarial Mathematics
  + Minor in Engineering Mathematics
  + Minor in Mathematics

Graduate Offerings
  + Master of Arts in Mathematics
  + Doctor of Philosophy in Mathematics

Faculty
Anneke Bart, Ph.D.
Russell Blyth, Ph.D.
John Cantwell, Ph.D., Professor Emeritus
Bryan Clair, Ph.D.
Bradley Currey, Ph.D.
Kimberly Druschel, Ph.D.
Charles Ford, Ph.D., Professor Emeritus
Daniel Freeman, Ph.D.
James Gill, Ph.D.
Haijun Gong, Ph.D.
Steven Harris, Ph.D.
James Hebda, Ph.D.
Benjamin Hutz, Ph.D.
David Jackson, Ph.D., Professor Emeritus
Brody Johnson, Ph.D.
John Kalliongis, Ph.D.
Qayum Khan, Ph.D.
Michael May, S.J., Ph.D.
Greg Marks, Ph.D.
Julianne Rainbolt, Ph.D.
Nirina Randrianarivony, Ph.D.
Darrin Speegle, Ph.D.
Ashish Srivastava, Ph.D.
T. Christine Stevens, Ph.D., Professor Emeritus
Michael Tsau, Ph.D.
Dennis Wacker, D.S.

BACHELOR OF ARTS IN MATHEMATICS

Program Highlights
Mathematics emphasizes careful reasoning, along with the analysis and solution of problems. Hence, a major or minor in mathematics will appeal to students who like to develop their skills in problem solving and analytical thinking. For this reason, mathematics is also an appropriate major for students planning careers in law or medicine.

Saint Louis University's mathematics program combines the features of both small and large schools to create a compelling educational experience. Students can expect a student-friendly environment, with the math courses for majors small in size and taught by regular faculty (calculus classes are capped at 30 students). Faculty get to know students and give individual advice while students are individually recruited for participation in math contests and other opportunities.

Like a large school's program, math at SLU also has enough breadth to let students tailor their upper-division math courses to their interests and goals. Students interested in pure mathematics can choose theoretical courses that provide a solid preparation for graduate school. Since SLU has a graduate program in mathematics, exceptional undergraduate students have the opportunity to take graduate courses in mathematics. Students interested in applied mathematics (or science and engineering students interested in a second major in mathematics) can focus on a wide selection of more applied courses. Students interested in statistics can select a variety of courses in statistics and probability theory. Students interested in secondary school teaching can select courses that fill the requirements of the major and of a teaching certificate at the same time.

Curriculum Overview
All students majoring in mathematics start with a basic core of five required mathematics courses, including calculus and linear algebra.

The B.A. in mathematics is designed for students with a wide variety of interests. Students may select to
pursue one of three tracks or a concentration in statistics:

**Pure mathematics track**
For students intending to go on to graduate work in one of the mathematical sciences.

**Applied mathematics track**
For students who intend to pursue a career in a field where mathematics is used in work — such as engineering.

**Teaching track**
For students who are planning a career in secondary education. This track features courses that meet the requirements for state certification in mathematics.

**Concentration in statistics**
For students planning a career in analyzing data.

**Fieldwork and Research Opportunities**
The SLU Mathematics and Computer Science Club gives students interested in mathematics and computers a chance to explore relevant topics outside of the classroom. The club holds weekly meetings with activities such as game beta testing, dancing and coding.

**Careers**
Benefits of this program also include several career opportunities. There are many occupations and career paths open to a mathematics major. A good source for information about these is the webpage, maa.org/careers, which is maintained by the Mathematical Association of America.

Graduates have pursued a variety of careers. While some have gone into secondary education, many others have found employment in companies or government agencies such as:

+ Bureau of Reclamation
+ Compaq
+ Mastercard
+ Mercer St. Louis
+ NISA Investment Advisors
+ National Imaging and Mapping Agency
+ PricewaterhouseCoopers
+ Shell Oil

Other graduates have enrolled in graduate or professional schools in mathematics, business administration, computer science, physics, meteorology, medicine and education, among other fields.

**Admission Requirements**

**Freshman**
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

**Transfer**
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

**Scholarships and Financial Aid**
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1510</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1520</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Calculus III‡</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2660</td>
<td>Principles of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3120</td>
<td>Undergraduate Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

‡ Calculus III Must be taken at Saint Louis University with minimum grade of "C-".

**Track of Concentration Requirements (15-18 credits)**

Students then choose one of the following three tracks or the statistics concentration.

- Pure Mathematics Track
- Applied Mathematics Track
- Teachers Option
- Statistics Concentration

**TOTAL CREDITS: 33-36**

**Pure Mathematics Track**

**Abstract Algebra Sequence (6 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 4110</td>
<td>Introduction to Abstract Algebra</td>
<td>3</td>
</tr>
</tbody>
</table>

**Analysis Sequence (6 credits)**
### Course Requirements

#### Lower Division (12 credits)

**MATH 4210 Introduction to Analysis** [3]

Choose one from the following:

- MATH 4220 Metric Spaces [3]
- MATH 4230 Multivariable Analysis [3]

#### Elective Courses (6 credits)

**CSCI 5750 Machine Learning** [3]

#### Required Courses (12 credits)

**Statistics Concentration**

- MATH 4870 Applied Regression [3]
- CSCI 5750 Machine Learning [3]

**Total Credit: 18**

### Continuation Standards

Students must have a minimum of a 2.00 cumulative GPA in their mathematics major or minor courses by the conclusion of their sophomore year, must maintain a minimum of 2.00 cumulative GPA in these courses at the conclusion of each semester thereafter, and must be registered in at least one mathematics course counting toward their major or minor in each academic year (until all requirements are completed).

### Bachelor of Science in Mathematics

#### Program Highlights

Mathematics emphasizes careful reasoning, along with the analysis and solution of problems. Hence, a major or minor in mathematics will appeal to students who like to develop their skills in problem solving and analytical thinking. For this reason, mathematics is also an appropriate major for students planning careers in law or medicine.

Saint Louis University's mathematics program combines the features of both small and large schools to create a compelling educational experience. Students can expect a student-friendly environment, with the math courses for majors small in size and taught by regular faculty (calculus classes are capped at 30 students). Faculty get to know students and give individual advice while students are individually recruited for participation in math contests and other opportunities.

Like a large school's program, math at SLU also has enough breadth to let students tailor their upper-division math courses to their interests and goals. Students interested in pure mathematics can choose theoretical courses that provide a solid preparation for graduate school. Since SLU has a graduate program in mathematics, exceptional undergraduate students have the opportunity to take graduate courses in mathematics. Students interested in applied mathematics (or science and engineering students interested in a second major in mathematics) can focus on a wide selection of more applied courses. Students interested in statistics can select a variety of courses in statistics and probability theory. Students interested in secondary school teaching can select courses that fill the requirements of the major and of a teaching certificate at the same time.

#### Curriculum Overview

All students majoring in mathematics start with a basic core of five required mathematics courses, including calculus and linear algebra.

The B.S. degree in mathematics is designed to provide a strong grounding in mathematics for students considering graduate school in mathematics or a closely allied field. For the B.S. degree, the student builds on the basic core of required math courses with
a selection of nine upper-division mathematics courses, chosen to include pure mathematics courses in real analysis and algebra, a statistics course at the upper division level, two completed upper division sequences including one in pure mathematics, and electives to complete the required nine upper division courses. Students must also take at least one course in computer programming and one course in another discipline that has a strong mathematical or computational component. The requirements for the B.S. in mathematics follow the recommendations of the Mathematics Association of America for degree programs in mathematics that prepare students for graduate work.

Fieldwork and Research Opportunities

The SLU Mathematics and Computer Science Club gives students interested in mathematics and computers a chance to explore relevant topics outside of the classroom. The club holds weekly meetings with activities such as game beta testing, dancing and coding.

Careers

Benefits of this program also include several career opportunities. There are many occupations and career paths open to a mathematics major. A good source for information about these is the webpage, maa.org/careers, which is maintained by the Mathematical Association of America.

Graduates have pursued a variety of careers. While some have gone into secondary education, many others have found employment in companies or government agencies such as:

+ Bureau of Reclamation
+ Compaq
+ Mastercard
+ Mercer St. Louis
+ NISA Investment Advisors
+ National Imaging and Mapping Agency + PricewaterhouseCoopers
+ Shell Oil

Other graduates have enrolled in graduate or professional schools in mathematics, business administration, computer science, physics, meteorology, medicine and education, among other fields.

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid

There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

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Program Requirements

Required Courses (18 credits)

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<tr>
<td>MATH 2680</td>
<td>Principles of Mathematics</td>
</tr>
<tr>
<td>MATH 3120</td>
<td>Introduction to Linear Algebra</td>
</tr>
<tr>
<td>CSCI 1700‡</td>
<td>Introduction to Object-Oriented Programming</td>
</tr>
</tbody>
</table>

‡ Calculus III Must be taken at Saint Louis University with minimum grade of "C-"

Pure Mathematics Requirements (6 credits)

<table>
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<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MATH 4110</td>
<td>Introduction to Abstract Algebra</td>
</tr>
<tr>
<td>MATH 4120</td>
<td>Linear Algebra</td>
</tr>
</tbody>
</table>

Statistics Requirement (3 credits)

At least one statistics course (with MATH or STAT designation) at the 3000 or 4000 level such as:

<table>
<thead>
<tr>
<th>Course Code</th>
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</tr>
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<tbody>
<tr>
<td>MATH 3810</td>
<td>Probability and Statistics for Engineers</td>
</tr>
<tr>
<td>MATH 3850</td>
<td>Foundations of Statistical Analysis</td>
</tr>
</tbody>
</table>

Computer Programming Requirement (3-4 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 1080</td>
<td>Intro to CS: Scientific Programming</td>
</tr>
<tr>
<td>CSCI 1300</td>
<td>Object-Oriented Programming</td>
</tr>
</tbody>
</table>

Upper Division Requirements (27 credits)

Students then take an additional nine upper division mathematics courses, a computer programming course and an allied elective meeting the distribution requirements below. A 2.00 or "C" GPA is required in upper division mathematics courses counting toward the major.
MINOR IN MATHEMATICS

Overview
Students may not earn more than one minor among the minors in mathematics, engineering mathematics, or actuarial mathematics.

Program Requirements

Required Courses (21 credits)
- MATH 1510 Calculus I 4
- MATH 1520 Calculus II 4
- MATH 2530 Calculus III‡ 4
- MATH 2680 Principles of Mathematics 3
- MATH 3120 Introduction to Linear Algebra 3
- At least one additional upper division MATH course 3
‡ Calculus III Must be taken at Saint Louis University with minimum grade of "C-"

TOTAL CREDITS: 21

Continuation Standards
Students must have a minimum of a 2.00 cumulative GPA in their mathematics minor courses by the conclusion of their sophomore year, must maintain a minimum of 2.00 cumulative GPA in these courses at the conclusion of each semester thereafter, and must be registered in at least one mathematics course counting toward their major or minor in each academic year (until all requirements are completed).

MINOR IN ACTUARIAL MATHEMATICS

Overview
Students may not earn more than one minor among the minors in mathematics, engineering mathematics, or actuarial mathematics.

Program Requirements

Required Courses (24 credits)
- MATH 1510 Calculus I 4
- MATH 1520 Calculus II 4
- MATH 2530 Calculus III‡ 4
- MATH 3110 Linear Algebra 3
- MATH 3780 Financial Mathematics 3
- MATH 3800 Elementary Theory of Probability 3
‡ Calculus III Must be taken at Saint Louis University with minimum grade of "C-"

TOTAL CREDITS: 24

Continuation Standards
Students must have a minimum of a 2.00 cumulative GPA in their mathematics minor courses by the conclusion of their sophomore year, must maintain a minimum of 2.00 cumulative GPA in these courses at the conclusion of each semester thereafter, and must be registered in at least one mathematics course counting toward their major or minor in each academic year (until all requirements are completed).
Overview
Students may not earn more than one minor among the minors in mathematics, engineering mathematics, or actuarial mathematics.

Program Requirements

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1510 Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1520 Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530 Calculus III</td>
<td>4</td>
</tr>
</tbody>
</table>

‡ Calculus III Must be taken at Saint Louis University with minimum grade of "C-"

Elective Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 3110 Linear Algebra for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3120 Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3240 Numerical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3270 Advanced Mathematics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3550 Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3800 Combinatorics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3800 Elementary Theory of Probability</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3810 Probability &amp; Statistics for Engineers</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3850 Foundations of Statistical Analysis</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4310 Intro to Complex Variables</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4320 Complex Variables II</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4360 Geometric Topology</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4550 Nonlinear Dynamics and Chaos</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4570 Partial Differential Equations</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4850 Cryptography</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4800 Probability Theory</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4840 Time Series</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4870 Applied Regression</td>
<td>3</td>
</tr>
</tbody>
</table>

Notes:
+ Prerequisites for these courses must also be met.
+ Credit cannot be earned for both MATH 3110 and MATH 3120.
+ Credit can be earned for only one of MATH 3800, MATH 3810, or MATH 3850.

TOTAL CREDITS: 24

Continuation Standards
Students must have a minimum of a 2.00 cumulative GPA in their mathematics minor courses by the conclusion of their sophomore year, must maintain a minimum of 2.00 cumulative GPA in these courses at the conclusion of each semester thereafter, and must be registered in at least one mathematics course counting toward their major or minor in each academic year (until all requirements are completed).

MASTER OF ARTS IN MATHEMATICS

Program Highlights
The department of mathematics and statistics at Saint Louis University offers graduate programs of advanced study and research leading to Master of Arts and Doctor of Philosophy degrees in mathematics. Due to the high faculty-student ratio, graduate students receive extensive individualized instruction.

Curriculum Overview
All mathematics Ph.D. students at SLU must complete high-level courses in algebra, analysis, topology and differential geometry. As a Ph.D. candidate, students also must pass written exams in three major fields of mathematics, plus a language exam that tests ability to read mathematical works in French, German or Russian. The capstone is to write and defend a dissertation.

Fieldwork and Research Opportunities
Courses at the advanced graduate level allow students to proceed beyond the standard graduate curriculum into areas of research represented by the faculty. To graduate, students must either write and defend a master’s thesis or pass an oral exam covering three areas of graduate-level mathematics.

Careers
Saint Louis University’s M.A. in mathematics prepares students for further study toward the Ph.D. or for a career in teaching or industry.

Admission Requirements
Applicants should have a bachelor’s degree in mathematics or have taken the equivalent coursework.

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship and Application Deadlines
Students who want to be considered for an assistantship must submit their application by Jan. 1.

U.S. students who want to be considered for the fall semester should apply by July 1 and for the spring semester by Nov. 1. International students should apply for the fall semester by May 1 and for the spring semester by Oct. 1.

Review Process
All applications are reviewed by committee with about a six-week wait for decision-notification to applicants. All applicants have until April 15 to decide to accept.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (12 credits)
Two of the following three sequences
The master's program prepares students for further study toward the Ph.D. or for a career in teaching or industry. This degree requires 30 credits of coursework, with at least seven courses at the 5000-level or higher, including two full-year 5000-level core courses. The successful master's student must either write and defend a master's thesis or pass an oral exam covering three areas of graduate-level mathematics.

Fieldwork and Research Opportunities
Courses at the advanced graduate level allow students to proceed beyond the standard graduate curriculum into areas of research represented by the faculty. To graduate, students must either write and defend a master's thesis or pass an oral exam covering three areas of graduate-level mathematics.

Careers
The Ph.D. in mathematics prepares students for research or teaching careers in colleges, universities or industry.

Admission Requirements
Applicants should have a master's degree or a bachelor's degree in mathematics that includes a year of coursework in algebra and in analysis or topology.

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
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Scholarships and Financial Aid
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For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Required Course Sequences (24 credits)

**Algebra Sequence**
- MATH 5110 Algebra 3
- MATH 5120 Algebra II 3

**Analysis Sequence**
- MATH 5210 Real Analysis I 3
- Choose one from the following:
  - MATH 5220 Complex Analysis 3
  - MATH 5230 Functional Analysis 3
  - MATH 5240 Harmonic Analysis 3

**Topology Sequence**
- MATH 5310 Topology I 3
- MATH 5320 Topology II 3

**Differential Geometry Sequence**
- MATH 6410 Differential Geometry I 3
- MATH 6420 Differential Geometry II 3

**Dissertation Research (12 credits)**
- HIST 8990 Dissertation Research 12

**Elective Courses (18 credits)**
- MATH 5102 Linear Algebra 3
- MATH 5202 Metric Spaces 3
- MATH 5105 Number Theory 3
- MATH 5203 Multivariable Analysis 3
- MATH 5110 Algebra 3
- MATH 5120 Algebra II 3
- MATH 5210 Real Analysis I 3
- MATH 5220 Complex Analysis 3
- MATH 5230 Functional Analysis 3
- MATH 5240 Harmonic Analysis 3
- MATH 5310 Topology I 3
- MATH 5320 Topology II 3

**TOTAL CREDITS:** 36

Non-Course Requirements

Written preliminary exams in three out of the four possible areas of algebra, analysis, differential geometry, and topology. An oral exam in a special area of concentration. Demonstration of proficiency in one of the following languages: French, German, or Russian. Proficiency is to be demonstrated by passing a journal/translation examination administered by the department. The culminating requirement for the Ph.D. degree is writing and successfully defending a dissertation that presents the results of the original and independent mathematical research that students have carried out, with the guidance of a faculty member.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
MEDIEVAL STUDIES
www.slu.edu/arts-and-sciences/medieval-renaissance-studies

LEADERSHIP
Thomas F. Madden,
Director, CMRS
Steven A. Schoenig, S.J.,
Associate Director, CMRS, and Director of
Undergraduate Studies

OVERVIEW
The Center for Medieval and Renaissance Studies supports, coordinates, and promotes the extraordinary array of scholars, students, and resources devoted to medieval and early modern research at Saint Louis University. One of the largest in the country, the Center is home to more than fifty full-time faculty members. By supporting students, conferences, speakers, fellowships, library acquisitions, and professorships, the Center enriches the intellectual environment for medievalists and early modernists on campus and across the region. It combines the resources of the departments of English, Fine and Performing Arts, History, Philosophy, Theological Studies, and Languages, Literatures and Cultures, a collaboration built upon the collections of the Vatican Film Library and the Rare Book Collection. The Center offers an Undergraduate Major, an Undergraduate Minor, and a Graduate Concentration in Medieval Studies. In addition, the Center sponsors lectures, seminars, conferences, workshops, and research opportunities both on campus and through the Newberry Library Consortium. Each year the Center brings a wide range of scholars to campus to use the extensive collections in the Pius XII Memorial Library under the auspices of the NEH Research Fellowship Program. The Center’s Director and affiliated faculty are available to help students fashion independent programs of study and research within the context of their major departments.

Undergraduate Offerings
+ Bachelor of Arts in Medieval Studies
+ Minor in Medieval Studies

BACHELOR OF ARTS IN MEDIEVAL STUDIES

Program Highlights
The Bachelor of Arts in Medieval Studies is an interdisciplinary major focusing on the medieval world. Students gain in-depth knowledge of the history, art, theology and philosophy of medieval Europe and often partner this major with other affiliate programs at the University with medieval strengths.

Curriculum Overview
After completing an introductory course, students will take a broad selection of courses in affiliate departments. By their junior year, they will select major and minor fields, within which they will take seminar-level courses.

All students will achieve Latin competency at the 2010 level, and will also complete a capstone or internship at the completion of their program. Students are encouraged to study abroad during the course of their education.

Fieldwork and Research Opportunities
Medieval Studies students at SLU can move on to advanced graduate studies in medieval fields and are admitted to competitive programs around the world. Other graduates choose to pursue further education in fields such as museum studies and archival studies.

Careers
Graduates are well prepared for a wide variety of jobs both inside and outside the academic realms.

Graduates move on to advanced graduate studies in medieval fields, gaining admission to competitive programs around the world. Students also are well trained to undertake further studies in diverse fields such as museum studies and archival studies, and they often use internships as stepping stones in those careers.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant’s file. College admission test scores (ACT or SAT) are used as an additional indicator of the student’s ability to meet the University’s academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant’s file, the office of admission holistically examines the student’s academic performance in college-level coursework as an indicator of the student’s ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:
+ Scholarships: awarded based on academic achievement, service, leadership and financial...
need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid slu.edu.

**Program Requirements**

Students may apply the College of Arts & Science Core requirement courses to the B.A. in Medieval Studies.

### Required Courses (6 credits)

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### Required Courses (15 credits)

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<td>The Middle Ages to 1100</td>
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<td>The Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 3400</td>
<td>Romansque Art</td>
<td>3</td>
</tr>
<tr>
<td>THEO 3370</td>
<td>Medieval Theology</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 3xxx</td>
<td>3000-level medieval literature survey</td>
<td>3</td>
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### Elective Courses (12 credits)

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<td>ENGL 4280</td>
<td>The Alliterative Tradition</td>
<td>3</td>
</tr>
<tr>
<td>ENGL 4290</td>
<td>Topics in Medieval Literature</td>
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</tr>
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<td>SPAN 4410</td>
<td>Spanish Literary Culture</td>
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</tr>
</tbody>
</table>

### Elective Courses (15 credits)

One course chosen from four different discipline areas:

- Medieval Art History
- Medieval Literature
- Medieval History
- Medieval Philosophy
- Medieval Theology

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<td>ARTH 4400</td>
<td>Illuminated Manuscripts</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 4410</td>
<td>Medieval Women and Art</td>
<td>3</td>
</tr>
<tr>
<td>ARTH 4831</td>
<td>Special Topics: Medieval</td>
<td>3</td>
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### Medieval Literature, such as:

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<td>HIST 3060</td>
<td>The Crusades</td>
<td>3</td>
</tr>
<tr>
<td>HIST 3760</td>
<td>Medieval Spain: Christians, Jews and Muslims</td>
<td>3</td>
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### Medieval Philosophy, such as:

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<tr>
<td>PHIL 4500</td>
<td>History of Medieval Philosophies</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4550</td>
<td>Topics in Medieval Philosophy</td>
<td>3</td>
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</table>

### Medieval Theology, such as:

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<tr>
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<tbody>
<tr>
<td>THEO 3370</td>
<td>Teachers in Medieval Christianity</td>
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### Senior Experience (6 credits)

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<td>MR 4100</td>
<td>Medieval Synthesis</td>
<td>3</td>
</tr>
<tr>
<td>MR 4910</td>
<td>Medieval Internship</td>
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</tr>
</tbody>
</table>

**TOTAL CREDITS: 39**

**Continuation Standards**

Students must have a GPA of 2.0 in Medieval Studies major/minor coursework to be retained in the major/minor.

### Minor in Medieval Studies

**Program Requirements**

**Required Courses (6 credits)**

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**Elective Courses (12 credits)**

One course chosen from four different discipline areas:

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**TOTAL CREDITS: 18**
Continuation Standards

Students must have a GPA of 2.0 in Medieval Studies minor coursework to be retained in the minor.
NEUROSCIENCE
www.slu.edu/programs/undergraduate/neuroscience

LEADERSHIP
Tony W. Buchanan, Ph.D.
Co-Director
Judith M. Ogilvie, Ph.D.
Co-Director

OVERVIEW
Neuroscience combines biology, chemistry, physics and psychology to gain a better understanding of brain structure, function and behavior.

Undergraduate Offerings
+ Bachelor of Science in Neuroscience

Faculty
Biology Full Time Faculty
William S. Stark, Ph.D.
Fenglian Xu, Ph.D.

Psychology Full Time Faculty
A. Michael Anch, Ph.D.
Brenda A. Kirchhoff, Ph.D.
Jill Waring, Ph.D.

BACHELOR OF SCIENCE IN NEUROSCIENCE
Program Highlights
Neuroscience is an interdisciplinary field of study that employs the tools and perspectives of biology, psychology, chemistry, physics, mathematics, philosophy and medicine to achieve a better understanding of brain structure, function and behavior.

A degree in neuroscience places students in an excellent position to address the basic science of brain function, along with a myriad of possibilities for applications within medicine, science and industry. The neuroscience major offers courses that further the understanding of psychiatric, neurological and developmental disorders, with a goal toward the development of innovative treatment options through basic and applied research.

Neuroscience is an appropriate major for students planning to continue their postgraduate education in neuroscience or related professional fields.

Additional program highlights include:
+ SLU is one of the few universities to offer a degree in neuroscience.
+ Neuroscience is a growing field, with new initiatives aimed at the development of innovative technologies to foster a better understanding of brain function.
+ The neuroscience program offers a rigorous and interdisciplinary curriculum with emphasis on preprofessional training.

Curriculum Overview
Courses in the major include lectures, seminars and laboratory experiences. The curriculum includes four core neuroscience courses: Introduction to Neuroscience: Molecular, Cellular and Systemic, Introduction to Neuroscience Behavioral and Cognitive, a neuroscience lab course and a senior seminar.

Additionally, students are required to take related courses from the biology department and from the psychology department as well as courses in chemistry, physics, mathematics and philosophy. Students must also complete the College of Arts and Sciences core requirements.

Students are also required to complete a capstone learning experience, consisting of either research, practica or advanced coursework, all of which are designed to give students exposure to the breadth of the field of neuroscience and the potential for understanding its applications in the real world.

Fieldwork and Research Opportunities
The program also features opportunities for internships through existing collaborations with the biology and psychology departments, and there is a strong outlook for employment — both regionally and nationally — for students who graduate with a degree in neuroscience.

Careers
Graduates have a strong outlook for future employment and will be able to find work in industries such as medicine, veterinary medicine, pharmaceuticals, biotechnology, education, computer science and artificial intelligence.

An undergraduate degree in neuroscience also provides a solid base for students interested in attending graduate school or working in fields related to psychology, biology, chemistry, physics, biomedical engineering, law, medicine or philosophy.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

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Scholarships and Financial Aid
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+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses in Neuroscience (10 credits)
- NEUR 3400 Introduction to Neuroscience I
- NEUR 3500 Introduction to Neuroscience II
- NEUR 3550 Neuroscience Lab
- NEUR 4800 Neuroscience Seminar

Required Courses in Biology (14 credits)
- BIOL 1240 Principles of Biology I
- BIOL 1245 Principles of Biology I Laboratory
- BIOL 1260 Principles of Biology II
- BIOL 1265 Principles of Biology II Laboratory
- BIOL 3020 Cellular Biochemistry & Molecular Biology
- BIOL 3040 Cellular Structure & Function

Biology Elective Courses (10 credits)
Must include one lab course indicated in italic

- BIOL 3080 Cell Structure & Function Laboratory
- BIOL 3100 Experiments in Genetics Lab
- BIOL 3420 Comparative Anatomy of the Vertebrates
- BIOL 3440 Embryology
- BIOL 3470 General Physiology Laboratory
- BIOL 3480 Exercise Physiology
- BIOL 4050 Molecular Technique Laboratory
- BIOL 4070 Advanced Biological Chemistry
- BIOL 4080 Advanced Cell Biology
- BIOL 4380 Animal Behavior
- BIOL 4370 Animal Behavior Lab
- BIOL 4410 Comparative Animal Physiology
- BIOL 4440 Vertebrate Histology: Structure and Function of Tissues
- BIOL 4500 Introductory Endocrinology
- BIOL 4510 Behavioral Endocrinology
- BIOL 4540 Human Cellular Physiology I
- BIOL 4600 Developmental Biology
- BIOL 4610 Developmental Biology Lab
- BIOL 4630 Foundations of Immunobiology
- BIOL 4700 Molecular Biology

Required Courses in Psychology (10 credits)
- PSY 1010 General Psychology
- PSY 2050 Foundations of Research Methods & Statistics with Lab

PSY Elective (9 credits)
- PSY 3100 Brain, Mind & Society
- PSY 3120 Cognitive Psychology
- PSY 3210 Developmental Psychology: Child
- PSY 3230 Developmental Psychology: Adolescence
- PSY 3300 Social Psychology
- PSY 3310 Personality Theory
- PSY 4140 Psychopharmacology
- PSY 4150 Science of Sleep
- PSY 4350 Health Psychology
- PSY 4390 Abnormal Psychology

Courses in Chemistry (8 credits)
- CHEM 1110 General Chemistry 1 Lecture
- CHEM 1115 General Chemistry 1 Laboratory
- CHEM 1120 General Chemistry 2 Lecture
- CHEM 1125 General Chemistry 2 Laboratory

Course in Mathematics (4 credits)
- MATH 1510 Calculus I

Course in Philosophy (3 credits)
- PHIL 4280 Biology & Mind

Courses in Physics (4 credits)
- PHYS 1310 Physics I
- PHYS 1320 Physics I Laboratory

Capstone/Inquiry/Honors Project (1-3 credits)
All neuroscience majors must complete a capstone or equivalent project (e.g., Psychology Capstone course, Biology Senior Inquiry, Honors Thesis, etc.). The rationale for this requirement is to provide the opportunity to integrate coursework with an active learning experience, such as research. Courses that meet this requirement include, but are not limited to, the following:

- BIOL 4980 Senior Inquiry: Comprehensive Examination
- BIOL 4970 Library Project
- BIOL 4980 Advanced Independent Study
- PSY 4010 Advanced Statistics and Research Methods
- PSY 4980 History of Psychology
- PSY 4880 Capstone Research Project
- PSY 4900 Critical Thinking about Psych

TOTAL CREDITS: 72

Pre-Professional Health
Students taking a Pre-Professional Health curriculum will be required to complete additional course requirements for medical or other professional schools as outlined by the Pre-Professional Health Studies Program.

Non-Course Requirements

Mentoring
All majors are required to participate in first and second year mentoring.

Continuation Standards
Students must have a minimum of a 3.0 GPA in the following required major courses by the conclusion of two semesters at Saint Louis University: PSY 1010, BIOL 1240/1245, BIOL 1260/1265, CHEM 1110/1115, and CHEM 1120/1125. Students that fall below a 3.0 GPA will be placed on program probation. In order to continue as a Neuroscience major after four semesters at Saint Louis University, students must obtain at least a 3.0 GPA in the following required major courses: PSY 1010, PSY 2050, BIOL 1240/1245, BIOL 1260/1265,
BIOL 3020, BIOL 3040, CHEM 1110/1115, CHEM 1120/1125, and NEUR 3400. Transfer students will be assessed on a case-by-case basis.
PHILOSOPHY
www.slu.edu/programs/undergraduate/philosophy

LEADERSHIP
Scott Ragland, Ph.D
Department Chair

OVERVIEW
The Department of Philosophy is ranked in the top 50 best graduate programs in the nation, and is noted for strengths in medieval philosophy, philosophy of religion, action theory, and epistemology.

The department is distinguished by a long-standing tradition of pluralism both of methodology and interest. The department has faculty members working in the history of philosophy from antiquity through the present, as well as in most areas of contemporary Analytic and Continental European philosophy. The department is also home to the journal Res Philosophica (formerly The Modern Schoolman), one of the oldest journals in the United States.

Undergraduate Offerings
+ Bachelor of Arts in Philosophy
+ Minor in Philosophy

Graduate Offerings
+ Master of Arts in Philosophy
+ Doctor of Philosophy in Philosophy

Faculty
Michael D. Barber, S.J., Ph.D
Gregory Beabout, Ph.D
Scott J. Berman, Ph.D
Jeffrey P. Bishop, Ph.D
Richard J. Blackwell, Ph.D.-Emeritus
James F. Bohman, Ph.D.-Emeritus
Susan Brower-Toland, Ph.D
John Greco, Ph.D
Garth L. Hallett, S.J., Ph.D.-Emeritus
Dan Haybron, Ph.D
Jonathan Jacobs, Ph.D
Kathryn M. Lindeman, Ph.D
Jack C. Marler, Ph.D
Colleen McCluskey, Ph.D
Clyde P. "Scott" Ragland, Ph.D
William R. Rehg, S.J., Ph.D
Joe Salerno, Ph.D
Kent W. Staley, Ph.D
Eleanor Stump, Ph.D
George N. Terzis, Ph.D
Fr. Theodore R. Vitali C.P, Ph.D

BACHELOR OF ARTS IN PHILOSOPHY

Program Highlights
The mission of the department is to provide a philosophical education appropriate to the Catholic and Jesuit goals of education. This goal is rooted in the basic Catholic belief that all human experience reveals and speaks to the existence and nature of God as well as to the dignity and value of all human beings in themselves and as members of the human community.

The department strives to provide an excellent introduction to the discipline and practice of philosophy. The faculty seek to build up in students the ability to understand, explain and evaluate lines of reasoning; to foster a reflective moral life; and to educate them in the history of philosophy, contemporary philosophical debate and the Catholic heritage. The faculty nurture in each student a philosophical habit of mind, an appreciation for the Western philosophical tradition, a spirit of intellectual inquiry and a lifelong desire for wisdom.

Curriculum Overview
The Department of Philosophy in SLU's College of Arts and Sciences offers a B.A. that offers four concentrations:

General Concentration
This concentration provides students with a solid foundation in critical philosophy thinking while leaving significant room to focus on their personal interests in philosophy.

Historical Concentration
This concentration provides historical context to philosophy.

Health Sciences Concentration
This concentration enables students with appropriate science backgrounds to achieve a degree of integration between science and philosophy far greater than is possible with the historical concentration.

Society and Law Concentration
This concentration prepares students for careers dedicated to law, the welfare of society and public service.

Fieldwork and Research Opportunities
The department offers a wide range of opportunities for philosophical exchange and dialogue, both within the intellectual community of the University and with the wider philosophical community. These opportunities include visiting scholars, departmental colloquia, the annual Wade Memorial Lecture, various conferences, reading groups and graduate student talks.

+ Students have the opportunity to get to know other philosophy majors through the Philosophy Club.
+ The Vatican Microfilm Library, located on campus, is the finest resource in the United States for research in medieval and renaissance studies.
+ The department of philosophy has an internationally regarded journal.
+ The Collins Visiting Professorship brings European philosophy professors to Saint Louis University.

Careers
Benefits of this program also include several career opportunities. Students who pursue a degree in philosophy will find themselves well-prepared for any number of career options. Philosophy provides, for example, excellent training for those interested in
pursuing professional degrees in law, business, or medicine.

Not only do philosophy majors excel on entrance exams for professional programs, but the analytical and communication skills they develop in their philosophical studies are essential for their future success in these programs. The study of philosophy is an excellent preparation for any career that puts a premium on clarity, conciseness, and analytic reasoning.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

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Program Requirements

The Philosophy Department offers four concentrations within the Philosophy major: General, Historical, Health Sciences, and Society and Law.

General Concentration

Required Courses (12 credits)
PHIL 1050 Introduction to Philosophy 3
PHIL 2050 Ethics 3
PHIL 4040 Symbolic Logic 3
PHIL 4880 Senior Inquiry 3

History of Philosophy (6 credits)
PHIL 4400 History of Ancient Philosophy 3
PHIL 4500 History of Medieval Philosophy 3
PHIL 4550 Topics in Medieval Philosophy 3
PHIL 4650 History of Modern Philosophy 3
PHIL 4650 Topics in Modern Philosophy 3

Elective Courses (15 credits)
Two courses must be at the 4000-level or higher:

PHIL 3250 Philosophy of Religion 3
PHIL 3300 Philosophy of the Human Person 3
PHIL 3350 Philosophy and Good Life 3
PHIL 3380 Medical Ethics 3
PHIL 3380 Business Ethics 3
PHIL 3400 Ethics & Engineering 3
PHIL 3420 Environmental and Ecological Ethics 3
PHIL 3430 Philosophy of Law 3
PHIL 3440 Morality and Modern Warfare 3
PHIL 3450 Disasters: Human and Natural 3
PHIL 3480 Jewish Life: Bible to Middle Ages 3
PHIL 3480 Jewish Life: MidAge to ModTime 3
PHIL 3550 Topics in Science, Tech & Soc 3
PHIL 4040 Symbolic Logic 3
PHIL 4080 Advanced Symbolic Logic 3
PHIL 4090 Topics in Advanced Logic 3
PHIL 4100 Survey of Epistemology 3
PHIL 4120 Topics in Epistemology 3
PHIL 4150 Philosophy of Science Survey 3
PHIL 4160 Philosophy and Physics 3
PHIL 4170 Topics: Philosophy of Science 3
PHIL 4190 Philosophy of the Social Sci 3
PHIL 4210 Topics in Metaphysics 3
PHIL 4220 Survey Philosophy of Language 3
PHIL 4280 Philosophy of Mind 3
PHIL 4290 Biology and Mind 3
PHIL 4310 Topics in Ethics 3
PHIL 4320 Feminism and the History of Ethics 3
PHIL 4340 Game Theory and Ethics 3
PHIL 4350 Survey of Social and Political Philosophy 3
PHIL 4400 History of Ancient Greek Philosophy 3
PHIL 4500 Medieval Philosophy 3
PHIL 4550 Topics in Medieval Philosophy 3
PHIL 4550 Philosophy of Thomas Aquinas 3
PHIL 4600 History of Modern Philosophy 3
PHIL 4650 Topics in Modern Philosophy 3
PHIL 4700 Contemporary German Philosophy 3
PHIL 4710 Survey Continental Philosophy 3
PHIL 4720 Topics Continental Philosophy 3
PHIL 4740 Philosophy of Karl Marx 3
PHIL 4750 Latin American Philosophy 3
PHIL 4750 Spanish Phil: Unamuno & Ortega 3
PHIL 4800 Topics and Movements in Contemporary Philosophy 3
PHIL 4810 Philosophy of Feminism 3
PHIL 4820 Philosophy and Race 3
PHIL 4830 Person and Action: The Philosophical Anthropology & Ethics of John Paul II 3
PHIL 4840 Catholic Social Thought 3
PHIL 4850 Topics in Philosophical Anthropology 3
PHIL 4880 Prob in Philosophy of Religion 3
PHIL 4870 Systematic Survey 3

TOTAL CREDITS: 33

Historical Concentration

Required Courses (21 credits)
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<td>PHIL 4880</td>
<td>Senior Inquiry</td>
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**Elective Courses (2 credits)**

Two courses must be at the 4000-level or higher:

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<td>PHIL 4870</td>
<td>Systematic Survey</td>
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**TOTAL CREDITS: 33**

**Health Sciences Concentration**

**Required Courses (15 credits)**

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**Health Sciences Courses (6 credits)**

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<td>PHIL 4580</td>
<td>Philosophy of Thomas Aquinas</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4600</td>
<td>History of Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4860</td>
<td>Topics in Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4700</td>
<td>Contemporary German Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4710</td>
<td>Survey Continental Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4720</td>
<td>Topics Continental Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4740</td>
<td>Philosophy of Karl Marx</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4760</td>
<td>Latin American Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4790</td>
<td>Spanish Phil: Unamuno &amp; Ortega</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4800</td>
<td>Topics and Movements in Contemporary Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4810</td>
<td>Philosophy of Feminism</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4820</td>
<td>Philosophy and Race</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4830</td>
<td>Person and Action: The Philosophical Anthropology &amp; Ethics of John Paul II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4840</td>
<td>Catholic Social Thought</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4850</td>
<td>Topics in Philosophical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4880</td>
<td>Prob in Philosophy of Religion</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4870</td>
<td>Systematic Survey</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 33**

**Society and Law Concentration**

**Required Courses (18 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 1050</td>
<td>Introduction to Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 2050</td>
<td>Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3340</td>
<td>Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4040</td>
<td>Symbolic Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4800</td>
<td>History of Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4880</td>
<td>Senior Inquiry</td>
<td>3</td>
</tr>
</tbody>
</table>

**History of Philosophy (3 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>PHIL 4400</td>
<td>History of Ancient Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4500</td>
<td>History of Medieval Philosophy</td>
<td>3</td>
</tr>
</tbody>
</table>
## Minor in Philosophy

### Overview
A philosophy minor helps students with other majors explore their own meaning and purpose as well as the moral and conceptual foundations of their primary fields of study.

### Program Requirements

#### Required Courses (6 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3350 Philosophy of the Human Person</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3350 Philosophy and Good Life</td>
<td>3</td>
</tr>
</tbody>
</table>

#### Elective Courses (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 3360 Medical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3360 Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3400 Ethics &amp; Engineering</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3420 Environmental and Ecological Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3860 Topics in Science, Tech &amp; Soc</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4150 Philosophy of the Social Sci</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4310 Topics in Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4320 Feminism and the History of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4810 Philosophy of Feminism</td>
<td>3</td>
</tr>
</tbody>
</table>

### TOTAL CREDITS: 33

### Continuation Standards
Students must have a GPA of 2.0 in Philosophy major coursework to be retained in the major.

---

### Elective Courses (9 credits)

One course must be at the 4000-level or higher:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>PHIL 3250 Philosophy of Religion</td>
<td>3</td>
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<tr>
<td>PHIL 3300 Philosophy of the Human Person</td>
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<tr>
<td>PHIL 3350 Philosophy and Good Life</td>
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<tr>
<td>PHIL 3380 Medical Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3380 Business Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3400 Ethics &amp; Engineering</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3420 Environmental and Ecological Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3420 Philosophy of Law</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3440 Morality and Modern Warfare</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3450 Disaster Narratives</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3480 Jewish Life: Bible to Middle Ages</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3490 Jewish Life: MidAge to MedTime</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 3650 Topics in Science, Tech &amp; Soc</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4040 Symbolic Logic</td>
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</tr>
<tr>
<td>PHIL 4080 Advanced Symbolic Logic</td>
<td>3</td>
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<tr>
<td>PHIL 4080 Topics in Advanced Logic</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4100 Survey of Epistemology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4220 Topics in Epistemology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4220 Philosophy of Science Survey</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4280 Philosophy of Physics</td>
<td>3</td>
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<tr>
<td>PHIL 4170 Topics: Philosophy of Science</td>
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<tr>
<td>PHIL 4180 Philosophy of the Social Sci</td>
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<tr>
<td>PHIL 4210 Topics in Metaphysics</td>
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<tr>
<td>PHIL 4260 Philosophy of Mind</td>
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<tr>
<td>PHIL 4280 Biology and Mind</td>
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<tr>
<td>PHIL 4310 Topics in Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4310 Topics in Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4320 Feminism and the History of Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4340 Game Theory and Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4350 Survey of Social and Political Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4400 History of Ancient Greek Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4500 Medieval Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4550 Topics in Medieval Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4560 Philosophy of Thomas Aquinas</td>
<td>3</td>
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<tr>
<td>PHIL 4600 History of Modern Philosophy</td>
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<tr>
<td>PHIL 4650 Topics in Modern Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4700 Contemporary German Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4710 Survey Continental Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4720 Topics Continental Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4750 Latin American Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4760 Spanish Phil: Unamuno &amp; Ortega</td>
<td>3</td>
</tr>
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<td>PHIL 4800 Topics and Movements in Contemporary Philosophy</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4810 Philosophy of Feminism</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4820 Philosophy and Race</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4830 Person and Action: The Philosophical Anthropology &amp; Ethics of John Paul II</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4840 Catholic Social Thought</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4850 Topics in Philosophical Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4880 Prob in Philosophy of Religion</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 4870 Systematic Survey</td>
<td>3</td>
</tr>
</tbody>
</table>

### TOTAL CREDITS: 18

### Continuation Standards
Students must have a GPA of 2.0 in Philosophy minor coursework to be retained in the minor.
ACCELERATED BACHELOR’S/MASTER’S PROGRAM

Overview
The Accelerated Bachelor’s/Master’s Program (ABM) offers the opportunity for outstanding Philosophy majors to begin an M.A. program in their senior year, completing the M.A. with a full time fifth year of graduate study after their successful completion of both the first year requirements and their undergraduate degree and major.

Program Requirements
The Philosophy major, like most humanities majors, requires thirty credits of coursework, and the M.A. a further thirty. By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

Continuation Standards
Students must have a GPA of 2.0 in Philosophy major coursework to be retained in the major.

MASTER OF ARTS IN PHILOSOPHY

Program Highlights
The M.A. in philosophy is designed for students who want to broaden their philosophical knowledge through graduate studies without necessarily intending to pursue a Ph.D.

Curriculum Overview
Courses in the philosophy graduate program examine historical as well as contemporary issues such as problems in metaphysics, epistemology, social and political ethics, and philosophy of religion, among others.

Fieldwork and Research Opportunities
Special resources available to the program include the international philosophical journal, Res Philosophica; the Vatican Film Library, one of the finest repositories of its kind in the Western hemisphere; the Center for Medieval and Renaissance Studies; a formal faculty and student exchange with the University of Frankfurt in Germany; and the James Collins Visiting Professorship, through which noted European scholars are invited to teach in the graduate program in the department.

There are regular opportunities to work with eminent visiting scholars, numerous colloquia and conferences, a wide variety of reading groups as well as opportunities to participate in exchange programs.

Careers
Possible careers for philosophy graduates include diplomat, professor, lawyer, church minister and public service official.

Admission Requirements
Successful applicants possess a high GPA, skills in philosophy via GPA in the major/minor, writing sample and testimony by faculty, sufficient GRE scores and sufficient TOEFL score (for international students).

Eighteen credits of upper-division undergraduate coursework.

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be considered for a philosophy assistantship must submit their application by Jan. 15.

Review Process
Applications are reviewed by committee of philosophy department faculty members. The American Philosophical Association rules stipulate an April 15 national deadline to make formal offers to philosophy graduate studies applicants and for those applicants to accept the offer to attend.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Two options are available for the Master of Arts degree in philosophy: non-thesis and thesis.

Non-Thesis Option
+ A minimum of 15 graduate credits
+ A minimum of 18 credits in philosophy (12 of which must be graduate) and completion of the review synthesis course (three credits).

Thesis Option
+ 24 credits of graduate-level courses (12 of which must be credits in ancient, medieval, modern and contemporary periods)
+ Six credits of thesis research
+ Completion of a three-hour written examination on the history of philosophy covering three of the four historical periods
+ Completion of thesis
+ One-hour oral examination on master’s thesis and coursework
Requirements for International Students

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support
+ Reading proficiency in French, German or other foreign language

TOTAL CREDITS: 30

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

Doctor of Philosophy in Philosophy

Program Highlights
The Doctor of Philosophy program is designed to prepare students to enter the field of philosophy as teachers and scholars prepared to engage at the highest levels of philosophical discourse.

Curriculum Overview
Courses in the philosophy graduate program examine historical as well as contemporary issues such as problems in metaphysics, epistemology, social and political ethics, and philosophy of religion, among others.

Fieldwork and Research Opportunities
Special resources available to the program include the international philosophical journal, Res Philosophica; the Vatican Film Library, one of the finest repositories of its kind in the Western hemisphere; the Center for Medieval and Renaissance Studies; a formal faculty and student exchange with the University of Frankfurt in Germany; and the James Collins Visiting Professorship, through which noted European scholars are invited to teach in the graduate program in the department.

There are regular opportunities to work with eminent visiting scholars, numerous colloquia and conferences, a wide variety of reading groups as well as opportunities to participate in exchange programs.

Careers
Possible careers for philosophy graduates include diplomat, professor, lawyer, church minister and public service official.

Admission Requirements
Successful applicants possess a high GPA, skills in philosophy via GPA in the major/minor, writing sample and testimony by faculty, sufficient GRE scores and sufficient TOEFL score (for international students).

Eighteen credits of upper-division undergraduate coursework.

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (54 credits)
+ 21 credits in the history of philosophy: two seminars/courses in ancient, medieval and modern; one seminar/course in contemporary history
+ 15 credits in three of these areas: ethics, metaphysics, epistemology, and social and political
+ Nine credits of electives
+ One course (three credits) in advanced logic
+ Six credits of two three-credit reading courses in the topic of the dissertation culminating in the dissertation prospectus
+ Twelve credits of dissertation research

TOTAL CREDITS: 66

Graduate Courses
The next courses address the basic questions raised both in the history of philosophy and the contemporary philosophical setting:

PHIL 5000 Introduction to the Graduate Study of Philosophy 0
PHIL 5100 Problems in Epistemology 3
PHIL 5200 Problems in Metaphysics 3
PHIL 5300 Problems in Ethical Theory 3
PHIL 5400 Problems in Social and Political Philosophy 3
PHIL 5500 Systematic Synthesis 3
PHIL 5800 Special Topics in Philosophy 3
PHIL 5930 Special Study for Examinations 0
PHIL 5980 Graduate Reading Course 1-3
PHIL 5990 Thesis Research 0-6
PHIL 6000 Seminar on a Major Philosopher in Ethics 3
PHIL 6050 Seminar on a Major Philosopher in Political Philosophy 3
PHIL 6100 Seminar on a Major Philosopher in Metaphysics 3
PHIL 6150 Seminar on a Major Philosopher in Epistemology 3

The following courses explore on a more advanced plane historical and contemporary philosophical
themes:

- PHIL 6200 Philosophy of Science 3
- PHIL 6220 Advanced Logic 3
- PHIL 6260 Problems in the Philosophy of Religion 3
- PHIL 6300 Advanced Ethics 3
- PHIL 6320 Advanced Metaphysics 3
- PHIL 6340 Advanced Epistemology 3
- PHIL 6360 Seminar in Political Philosophy 3
- PHIL 6380 Seminar in Aesthetics 3

The next four courses examine the major philosophical figures and issues pertaining to periods in the history of philosophy:

- PHIL 6400 Ancient Philosophy 3
- PHIL 6450 Medieval Philosophy 3
- PHIL 6500 Modern Philosophy 3
- PHIL 6550 Contemporary Philosophy 3

Non-Course Requirements

A two-hour oral examination on the dissertation prospectus covering: (1) the relationship between the dissertation topic and the broader discipline, whether contemporary or historical, and (2) the philosophical importance of the topic itself. Reading proficiency in both French and German, or in two other foreign languages at the discretion of students' supervisory faculty committee.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
A training in physics leads to a broad-based understanding of natural phenomena, analytical and computer skills, experience with electronics and the operation of sophisticated equipment, an understanding of measurements and their limitations, and the ability to formulate and solve technical problems.

Physics students have a strong interest in mathematics, computers and science along with a desire to understand how the universe works. They are interested in questions such as "Why do elementary particles behave the way they do?", "What is the nature of light?" or "How did the universe begin, and what will eventually happen to it?" Some of our students pursue double majors in mathematics, computer science or an engineering field.

Curriculum Overview
The B.A. in physics from the College of Arts and Sciences combines a firm grounding in physics with a broad liberal education.

Students of the physics program gain a solid foundation in analytical, computational and laboratory skills through course work in mathematics, computer science and physics. The physics curriculum includes courses in classical mechanics, quantum mechanics, electricity and magnetism, thermodynamics and statistical mechanics, as well as optics, electronics and modern physics.

The required courses listed below are accompanied by the Parks College core. This degree is conferred by Parks College. This curriculum also satisfies all requirements for a Minor in Engineering Mathematics.

Fieldwork and Research Opportunities
Benefits of the physics program also include several internship and career opportunities. The physics department employs some of its students as teaching and research assistants during the summer. Students have held summer internships at NASA-Langley, the Argonne National Laboratory and other laboratories. They have worked both during the summer and during the year at local industries such as Boeing and Anheuser-Busch. Numerous opportunities exist for summer research in basic and applied physics in the Parks Summer Undergraduate Research Experience (SURE) program and in national laboratories and in National Science Foundation-sponsored programs at universities throughout the United States.

The program stresses undergraduate research and applications of computers in physics. New state-of-the-art research facilities allow for students to work directly alongside faculty members on research projects.

Careers
Graduates with a bachelor's degree in physics enter a variety of careers that depend on the technical skills they have gained in college. They are employed in product development and quality control in large industries such as RCA, Boeing or Lockheed-Martin. They are computer specialists at Anheuser-Busch and other companies. Some are now involved in the marketing of technical products, while others are in
management positions. A few graduates have entered military careers. Students frequently earn double majors, combining physics with mathematics, computer science or chemistry.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Prerequisites (28 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1110</td>
<td>General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1610</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MATH 1620</td>
<td>Calculus II</td>
<td>4</td>
</tr>
<tr>
<td>MATH 2530</td>
<td>Calculus III</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1110</td>
<td>Introduction to Physics (as a career)</td>
<td>1</td>
</tr>
<tr>
<td>PHYS 1610/1620</td>
<td>Engineering Physics I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 1630/1640</td>
<td>Engineering Physics II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>CSCI 1000</td>
<td>Intr. to CS: Scientific Programming</td>
<td>3</td>
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Required Physics & Mathematics Courses (25 credits):

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MATH 2660</td>
<td>Principles of Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3120</td>
<td>Introduction to Linear Algebra</td>
<td>3</td>
</tr>
<tr>
<td>MATH 3550</td>
<td>Differential Equations I</td>
<td>3</td>
</tr>
<tr>
<td>MATH 4310</td>
<td>Introduction to Complex Variables</td>
<td>3</td>
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<td>PHSY 2610/2620</td>
<td>Modern Physics/Lab</td>
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<tr>
<td>PHSY 3110</td>
<td>Classical Mechanics</td>
<td>3</td>
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<tr>
<td>PHSY 4210</td>
<td>Electricity &amp; Magnetism</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4810</td>
<td>Quantum Mechanics</td>
<td>3</td>
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Additional Requirements (6 credits)

2 upper division physics courses from the list below:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PHSY 3120</td>
<td>Advanced Classical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 3310</td>
<td>Optics/Lab</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 3410</td>
<td>Thermodynamics &amp; Statistical Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 3510</td>
<td>Analog &amp; Digital Electronics/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHSY 3610</td>
<td>Modern Physics II</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4010</td>
<td>Nanoscience and Nanofabrication Frontiers</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4020</td>
<td>Experimental Physics</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4210</td>
<td>Electricity and Magnetism II</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4620</td>
<td>Application of Quantum Mechanics</td>
<td>3</td>
</tr>
</tbody>
</table>

Senior Inquiry (0-3 credits):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSY 4840</td>
<td>Thesis</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4890</td>
<td>Senior Inquiry: Research Project</td>
<td>3</td>
</tr>
<tr>
<td>PHSY 4890</td>
<td>Comprehensive Examination</td>
<td>0</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 59-62

Continuation Standards
Students must have a GPA of 2.0 in Physics major coursework to be retained in the major.

MINOR IN PHYSICS

Program Requirements (Arts & Science)

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSY 1610/1620</td>
<td>Engineering Physics I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHSY 1630/1640</td>
<td>Engineering Physics II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHSY 2610/2620</td>
<td>Modern Physics/Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

Elective Courses (6 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSY 3000-PHYS 4930</td>
<td>Introduction to...</td>
<td>6</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 18

Program Requirements (Parks)

Required Courses (12 credits)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSY 1610/1620</td>
<td>Engineering Physics I/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHSY 1630/1640</td>
<td>Engineering Physics II/Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHSY 2610/2620</td>
<td>Modern Physics/Lab</td>
<td>4</td>
</tr>
</tbody>
</table>

Elective Courses (10 credits)

Three physics courses (one with lab) numbered

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHSY 3000 - PHSY 4930</td>
<td>...course work to...</td>
<td>10</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 22

Continuation Standards
Students must have a GPA of 2.0 in Physics minor coursework to be retained in the minor.
POLITICAL SCIENCE
www.slu.edu/department-of-political-science-home

LEADERSHIP
Ellen P. Carnaghan, Ph.D.
Department Chair

Wynne Moskop, Ph.D.
Director of Graduate Studies

Robert Cropf
Coordinator of the M.P.A. Program

Bill McCormick, SJ, Ph.D.
Coordinator of Undergraduate Studies

OVERVIEW
The Department of Political Science department is home to outstanding faculty members and engaged and thoughtful students who are eager to serve in solidarity with others to address sources of injustice in the community and the world. The discipline of political science provides analytical tools to better understand the structures of power that produce inequality and oppression and also the knowledge to build systems more likely to heighten liberty. Through graduate and undergraduate programs in political science and international studies, the department trains students to meet the challenges of public service, to take active roles as citizens, and to address critical challenges in the world today. Faculty research examines questions of citizenship, representation, law, urban and international development, national security, democratization and other topics vital to communities and countries around the world.

The Political Science department's undergraduate and graduate programs provide students with an effective combination of knowledge, theory, and practical research and analytical skills to prepare them to make meaningful contributions to society. Inspired by the Catholic-Jesuit heritage, the department is committed to cultivating students' abilities to think deeply, carefully and well about relations of power so that they can become engaged citizens who are able to grapple with some of the most important social justice problems of the time, from racism at home to war, persistent underdevelopment, and oppression abroad. The department combines the best aspects of a liberal arts college and a top research university. The department is large enough to offer a wide range of classes, but small enough that students get individual attention from faculty. Faculty are passionate about teaching and mentoring students, and students get hands-on experience working with faculty engaged in cutting-edge research that addresses pressing national and international issues. SLU's location in the heart of St. Louis opens up opportunities for students to understand first-hand the challenges of American cities through field research and internships. The Madrid, Spain campus and many other study abroad opportunities open up the rest of the world. Coursework and curricular experiences broaden students' perspectives and prepare them for careers beyond SLU.

Undergraduate Offerings
+ Bachelor of Arts in Political Science
+ Minor in Asian Studies
+ Minor in Foreign Service
+ Minor in Political Science

Graduate Offerings
+ Master of Arts in Political Science
+ Doctor of Philosophy in Public and Social Policy

Faculty
J.D. Bowen, Ph.D.
Ellen Carnaghan, Ph.D.
Robert Cropf, Ph.D.
James Gilslinan, Ph.D.
Ruth Groff, Ph.D.
Morgan Hazleton, Ph.D.
Nori Katagiri, Ph.D.
Amber Knight, Ph.D.
Cheryl Laird, Ph.D.
Michelle Lorenzini, Ph.D.
Wynne Moskop, Ph.D.
Steven Rogers, Ph.D.
Robert Strikwerda, Ph.D.
Emmanuel Uwalaka, Ph.D.
Ann Wainscott, Ph.D.
Kenneth Warren, Ph.D.
Penny Weiss, Ph.D.
Jason Windett, Ph.D.

BACHELOR OF ARTS IN POLITICAL SCIENCE

Program Highlights
Political scientists study power, politics and a variety of political processes, systems and behaviors. Politics can be understood broadly as the process by which groups of people make decisions about how they will live and act together. As such, political action is the essential underpinning of all human communities and social life.

The discipline of political science covers many topics, from campaigns and elections in the United States, to economic development and democratization around the world, and to diplomacy and globalization. Political science students learn how to address big questions, such as what makes a government legitimate or what constitutes a good society. They also come to understand causes and mechanisms for addressing major global challenges like terrorism, poverty, climate change and war. The political science major can prepare students for advanced study in a variety of areas: law, public administration, international relations, urban affairs, business and political science. Political science students pursue jobs in government, international organizations, nonprofit organizations, education, law, journalism, diplomacy, survey research and fields related to the promotion of social justice.

Additional program highlights include:
+ Undergraduates can start taking graduate classes
before they earn their B.A. and quickly finish an M.A. as part of the accelerated M.A. program.

+ The unique location in the heart of St. Louis opens up opportunities for students to understand first-hand the challenges that face American cities and to gain the skills needed to effect change in their own communities.

+ The political science program at SLU is distinctive in its commitment to preparing students to become engaged citizens both locally and globally. Students grapple with some of the most important social justice problems of the time, from racism and poverty at home to war, persistent underdevelopment, and oppression abroad.

+ The SLU political science department is big enough to offer a wide range of classes, and small enough that students get individual attention from faculty.

Curriculum Overview

Students can study the politics of most areas of the world as well as issues of global security and economic development. They can augment their study of politics with work in a variety of distinctive interdisciplinary programs, including programs devoted to area studies (Asia, Russia and East Europe, Latin America), global and local social justice, foreign service, political journalism, African American Studies, gender studies and more.

Students can choose among three options for their B.A.:

B.A. (General):
Covers American politics, comparative politics, international relations, and political thought and allows students flexibility to choose classes that reflect their particular interests.

B.A. (With a Concentration in International Affairs):
Permits students to study politics in various parts of the world; political processes like economic development, revolution and democratization; and the variety of interactions among countries, from trade to diplomacy to various forms of warfare.

B.A. (With a Concentration in Public Law):
Focuses attention on law and courts and the relationship of both to larger issues of justice, social change and democracy.

Fieldwork and Research Opportunities

Undergraduate students majoring in political science at SLU may take six credits of electives through internships offered in areas such as campaign practicum, foreign service, state and federal government, and overseas fieldwork. These internships permit students to gain professional experience working with elected officials, organizations that serve immigrants or disadvantaged communities, law firms, nonprofit organizations or other groups working toward the public good. Students have interned in St. Louis, in Washington D.C. and in many countries around the world.

Benefits of this program also include several research and career opportunities. The political science department uniquely combines the best aspects of a liberal arts college and a top research university. Students work with caring and enthusiastic faculty who are engaged in cutting-edge research and are passionate about undergraduate teaching. Students can participate in faculty research projects that address pressing national and international issues. Students interested in international affairs will find talented faculty engaged in research around the world at SLU. Among many study abroad options, students can pick to study at the Madrid, Spain campus, which offers excellent classes in international relations at both the bachelor's and master's level.

Careers

Graduates are prepared for jobs in government, international organizations, community and nonprofit organizations, education, law, NGOs, journalism, diplomacy, survey research and fields related to the promotion of social justice.

An undergraduate degree in political science also provides marketable skills in empirical data analysis and practical problem-solving. It is a traditional major for students interested in law school or planning a career in politics.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic
achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Political science majors may not take more than six credits of independent study (POLS 4980) and/or internship work toward the 34-credit Political Science requirement. The two 4000-level seminars and the methods class must be completed at Saint Louis University, not by transfer credit. Only 15 credits of transfer credit can apply toward the Political Science major. Students may not count more than four 1000 level courses and must take at least four 3000 or higher level courses.

To give some focus to a major, students are encouraged to take 3 or 4 courses in at least one of the four subfields or a cross-sub-field area of interest in political science (like social justice, democratization or legal studies). Students should consult with department faculty advisors in selecting courses.

American Politics Requirement (3 credits)
POLS 1150 American Political System 3

Comparative Politics Requirement (3 credits)
POLS 1500 Introduction to Comparative Politics 3
POLS 1510 Politics of the Developing World 3
POLS 2510 West European Politics 3
POLS 2520 Introduction to African Politics 3
POLS 2530 Soviet & Post-Soviet Politics 3
POLS 2540 Ethnicity and Internal War 3
POLS 2550 Political Systems of the Sub-Sahara 3
POLS 2560 Politics of Asia 3
POLS 2570 Introduction to Latin American Politics 3
POLS 2580 Politics of Mexico 3
POLS 2590 Politics of the Middle East and North Africa 3
POLS 3500 East Asian Political Economy 3
POLS 3510 Rebirth of Democracy 3
POLS 3520 Communism, Capitalism & Social Justice 3
POLS 3530 Comparative Revolutions 3
POLS 3540 Latin American Social Movements 3
POLS 3560 Political Processes in Latin America 3
POLS 3567 Political Development in Contemp. Spain 3
POLS 3570 Third World Development 3
POLS 3580 The Arab Uprisings 3
POLS 3810 Latin American-U.S. Relations 3

International Relations Requirement (3 credits)
POLS 1600 Introduction to International Politics 3
POLS 2600 Intro to International Political Economy 3
POLS 2610 Introduction to Diplomacy 3
POLS 2640 International Terrorism 3
POLS 2650 War and Peace in the Middle East 3
POLS 2980 Middle East In International Politics 3
POLS 2991 Theory and Practice of Human Rights 3
POLS 3600 Problems of Globalization 3
POLS 3810 Multilateral Diplomacy 3
POLS 3820 Internat'l Organztn & Management of World Problems 3
POLS 3830 International Security and Conflict 3

Political Thought Requirement (3 credits)
POLS 1700 Foundations of Political Theory 3
POLS 2700 Issues in Political Philosophy 3
POLS 3710 Ancient & Medieval Political Thought 3
POLS 3720 Renaissance & Modern Political Thought 3
POLS 3770 Feminist Theory: Gender Justice 3

Research Methods Requirement (4 credits)
POLS 2000 Methods in Political Science 4
Must be completed at Saint Louis University, not by transfer credit.

Elective Courses (12 credits)
May be chosen to satisfy one of the three concentrations.

Senior Seminar Requirement (6 credits)
To register for a senior seminar, students must have completed at least one (and preferably more) course in the same sub-field and they must have fulfilled the methods requirement.

The two 4000-level seminar class must be completed at Saint Louis University, not by transfer credit.

Elective Courses (12 credits)
POLS 4010 Cultural Methods: Gender, Politics and Power 3
POLS 4110 American Political Institutions 3
POLS 4120 Civil Rights: A-Moot Court Seminar 3
POLS 4125 Women and the Law 3
POLS 4126 Sexuality and the Law 3
POLS 4140 Political Parties and Interest Groups 3
POLS 4150 Gender and Politics 3
POLS 4160 Advanced Topics: American Presidency 3
POLS 4170 Electoral Politics 3
POLS 4171 Law, Policy, Society 3
POLS 4300 Law, Politics, and Regulatory Policy 3
POLS 4340 Issues in Public Policy 3
POLS 4500 Russian Political Culture 3
POLS 4510 Democratization 3
POLS 4520 Political Change 3
POLS 4530 Authoritarianism: A Study in Conceptual Utility 3
POLS 4590 Crisis of Leadership 3
POLS 4810 International Relations: Theory & Practice 3
POLS 4820 Global Diplomacy 3
POLS 4830 The European Union: Politics and Political Economy 3
POLS 4840 Problems of International Terrorism 3
POLS 4850 War, Peace and Politics 3
POLS 4892 Theories of World Politics 3
POLS 4710 Citizenship & Social Difference 3
POLS 4730 Contemporary Political Ideologies 3
POLS 4740 Marx's Capital 3
POLS 4750 American Political Thought 3
POLS 4800 Theories of Constitutional Interpretation 3
POLS 4840 Global Health Politics & Policy 3

TOTAL CREDITS: 34

Research Project Option
As an alternative to one of the 4000-level seminars, students having a grade-point average of 3.30 or better may, with Department Chair approval, take POLS 4980, an individual research project under the supervision of a Political Science faculty member.

Honors Thesis Option
The Political Science Honors Thesis option for qualified
and highly motivated students. These students need to inform the Director of Undergraduate Studies of their interest by the spring of their Junior Year if they want to write the thesis during their senior year or by the fall of the Junior year if they want to start a semester earlier. Students doing an Honors Thesis must have a Political Science GPA of 3.5 and an overall GPA of 3.4. This program involves a full year, two course sequence: POLS 4980 Research Design and POLS 4981 Political Science Honors Thesis. Students doing honors theses will have a 37-credit major. POLS 4980 fulfills one 4000-level seminar requirement.

**Internships**

The Political Science department encourages majors to take political science internships as part of their degree programs. These provide excellent practical experience that potential employers appreciate. Internships often help majors select a future career. Students select internships in consultation with their mentors.

The Department offers a variety of internships, which may satisfy up to 6 credits of electives. POLS 3910 Federal Government Internship, POLS 3911 State and Local Government Internship, POLS 3912 Administrative Internship, POLS 3914 Foreign Service Internship, POLS 3915 Legal Internship, POLS 3916 Campaign Practicum, POLS 3917 Research Internship, POLS 3918 Overseas Field Work, POLS 3919 Women Leaders Internship, POLS 4910 Political Science Internship. Students may contact the Director of Undergraduate Studies for more information.

**International Affairs Concentration**

**Required Courses (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1600</td>
<td>Introduction to International Politics</td>
<td>3</td>
</tr>
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</table>

**Elective Choice #1 (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1500</td>
<td>Introduction to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 1510</td>
<td>Politics of the Developing World</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2510</td>
<td>West European Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2520</td>
<td>Introduction to African Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2530</td>
<td>Soviet and Post Soviet Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2540</td>
<td>Ethnicity and Internal War</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2560</td>
<td>Politics of Asia</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2570</td>
<td>Introduction to Latin American Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2580</td>
<td>Politics of Mexico</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2590</td>
<td>Politics of the Middle East and North Africa</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3500</td>
<td>Asian Miracles</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3520</td>
<td>Communism, Capitalism and Social Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3530</td>
<td>Comparative Revolutions</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3540</td>
<td>Latin American Social Movements</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3590</td>
<td>The Arab Uprisings: The Politics of Expertise</td>
<td>3</td>
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</table>

**Elective Choice #2 (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 3800</td>
<td>Problems of Globalization</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3820</td>
<td>International Organization and the Management of World Problems</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3840</td>
<td>International Law</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3850</td>
<td>International Relations of Africa</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3860</td>
<td>U.S. Strategy in Asia</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3870</td>
<td>America and the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3810</td>
<td>Latin American-U.S. Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Seminar Requirement (3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 4600</td>
<td>Russian Political Culture</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4610</td>
<td>Seminar: Democratization</td>
<td>3</td>
</tr>
</tbody>
</table>

**Public Law Concentration**

**Required Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 2200</td>
<td>American State and Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2120</td>
<td>The American Congress</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2220</td>
<td>Urban Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2800</td>
<td>Introduction to International Political Economy*</td>
<td>3</td>
</tr>
<tr>
<td>* If taken, may not double count for the International Relations Requirement subfield requirement</td>
<td></td>
<td></td>
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</tbody>
</table>

**Elective Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 1610</td>
<td>Politics of the Developing World</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2010</td>
<td>Ethics and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2300</td>
<td>Introduction to Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2350</td>
<td>Sex, Drugs, and Rock and Roll: Morality and Politics in the United States</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2820</td>
<td>American Foreign Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3210</td>
<td>U.S. Housing Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3330</td>
<td>U.S. Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3500</td>
<td>East Asian Political Economy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3800</td>
<td>Problems of Globalization</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3880</td>
<td>US Strategy in Asia</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3870</td>
<td>America and the Middle East</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3780</td>
<td>Disability Theory and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3800</td>
<td>Structure of Poverty: Globally and Locally</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3810</td>
<td>Latin American-U.S. Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3910</td>
<td>Federal Government Internship</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3912</td>
<td>Administrative Internship</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3911</td>
<td>State or Local Government Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

**Senior Seminar Requirement (3 credits)**

Students may substitute the 5000-level seminars listed below for the required 4000-level seminars.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 4130</td>
<td>American Race Relations</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4150</td>
<td>Gender and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4171</td>
<td>Law, Policy, Society</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4300</td>
<td>Law, Politics, and Regulatory Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4340</td>
<td>Issues in Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4650</td>
<td>War, Peace and Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4840</td>
<td>Global Health Politics &amp; Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 15**

**Public Policy Concentration**

**Required Courses (9 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 2100</td>
<td>The American Constitution</td>
<td>3</td>
</tr>
<tr>
<td>POLS 2710</td>
<td>Theories of Justice</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3100</td>
<td>Judicial Politics</td>
<td>3</td>
</tr>
<tr>
<td>POLS 4300</td>
<td>Law, Politics, and Regulatory Policy</td>
<td>3</td>
</tr>
</tbody>
</table>

**Elective Courses (6 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLS 2120</td>
<td>The American Congress</td>
<td>3</td>
</tr>
<tr>
<td>POLS 3130</td>
<td>Civil Rights and Civil Liberties</td>
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<td>POLS 3840</td>
<td>International Law</td>
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<td>POLS 3880</td>
<td>Violence Against Women</td>
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<td>POLS 3915</td>
<td>Legal Internship</td>
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<tr>
<td>POLS 4120</td>
<td>Civil Rights: A Mock Court Seminar</td>
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</tr>
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<td>POLS 4171</td>
<td>Law, Policy, and Society</td>
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<td>POLS 4125</td>
<td>Women and the Law</td>
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<tr>
<td>POLS 4128</td>
<td>Sexuality and the Law</td>
<td>3</td>
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</table>

**TOTAL CREDITS: 15**
Senior Seminar Requirement (3 credits)
POLS 4300 Law, Politics, and Regulatory Policy
POLS 4120 Civil Rights: A Meet Court Seminar
POLS 4171 Law, Policy, and Society
POLS 4125 Women and the Law
POLS 4126 Sexuality and the Law

TOTAL CREDITS: 18

Madrid Students
The concentration in International Relations, is offered at the Madrid, Spain Campus.

American Politics Requirement (3 credits)
POLS 1150 American Political System

Comparative Politics Requirement (3 credits)
POLS 1500 Introduction to Comparative Politics

International Relations Requirement (3 credits)
POLS 1800 Introduction to International Politics

Political Thought Requirement (3 credits)
POLS 1700 Foundations of Political Theory

Research Methods Requirement (4 credits)
POLS 2000 Methods in Political Science

Economics Requirement (3 credits)
ECON 1900 Principles of Economics

Communications Requirement (3 credits)
CMM 2400 Media & Society
CMM 3060 Political Communication
CMM 4460 Global Media

Elective Courses (9 credits)

Required Political Science courses (6 credits)
POLS 2570 The Politics of Asia
POLS 3500 Asian Miracles
POLS 3930 US Strategy in Asia
THEO 2700 Religious Traditions of Asia
THEO 2720 Buddhism
THEO 2730 Hinduism
THEO 2710 Religions of the World
THEO 2520 Comparative Religious Ethics
THEO 3710 Arts of Hinduism and Buddhism

Capstone Course (3 credits)
POLS 3930 Asian Studies Capstone

TOTAL CREDITS: 21

Continuation Standards
All Asian Studies minor courses must be completed with a grade of C or higher in order to count for the minor and for the student to continue in the minor.

MINOR IN FOREIGN SERVICE

Overview
This interdisciplinary minor is intended to help its participants prepare for an international career, whether with the U.S. State Department, with international non-governmental organizations, with international organizations, or in the private sector. It is open to any undergraduate enrolled at Saint Louis University. All majors qualify.

Upon joining the program, students must meet individually with the program director to draw up a study plan tailored to the career goals of individual participants and identify the courses that will best serve that purpose.

Program Requirements

Required Political Science courses (6 credits)
POLS 1800 Introduction to International Politics
POLS 2610 Introduction to Diplomacy

Political Science Elective Courses (9 credits)
POLS 2510 West European Politics
POLS 2520 Intro to African Politics

MINOR IN ASIAN STUDIES

Overview
The Asian Studies interdisciplinary minor is a 21-credit interdisciplinary program involving several departments. The minor is open to all majors.

Program Requirements

Required Asian Language (9 credits)
Another Asian language may be substituted through coursework elsewhere. Native speakers of an Asian language may substitute nine additional credits of electives for the language requirements.

Chinese
CHIN 1010 Communicating in Chinese I
CHIN 1020 Communicating in Chinese II
CHIN 2010 Intermediate Chinese: Language and Culture

Hindi
HIND 1010 Communicating in Hindi I
HIND 1050 Communicating in Hindi II
HIND 2010 Intermediate Hindi: Language and Culture

Arabic
AR 1010 Communicating in Arabic I
AR 1020 Communicating in Arabic II
AR 2010 Intermediate Arabic: Language and Culture

Elective Courses (9 credits)
CHIN 3930 Cultural Comparison: China - US
ENGL 3180 Chinese Screen: Chinese and Chinese-American Film
ENGL 3500 Literature of the Postcolonial World
ENGL 4670 Contemporary Postcolonial Literature and Culture
HIND 3930 Indian Literatures in Translation
HIST 2700 China to 1800
HIST 2710 Japan and China Since 1600
HIST 3210 China Since 1844
HIST 4920 Imperialism in Asia
IBS 3040 Asian Business
POLS 2580 The Politics of Asia
POLS 3500 Asian Miracles
POLS 3930 US Strategy in Asia
THEO 2700 Religious Traditions of Asia
THEO 2720 Buddhism
THEO 2730 Hinduism
THEO 2710 Religions of the World
THEO 2520 Comparative Religious Ethics
THEO 3710 Arts of Hinduism and Buddhism

TOTAL CREDITS: 43

Continuation Standards
Students in the Political Science major must maintain a 2.0 GPA in Political Science coursework.
A 2.0 GPA in courses for the Foreign Service minor. Students with a minor in Foreign Service must maintain a 2.0 GPA in courses for the Foreign Service minor.

Overview

The minor in American Studies is 18 credits, including the introductory course, ASTD 1000: Investigating America (three credits). The remaining 15 credits are selected from American Studies courses. With the approval of the student's departmental advisor, up to six of these credits can be taken in related fields. Courses from other departments or programs will only count towards the American Studies major if they are not being counted toward another major or minor.

Program Requirements

General Requirements (9 credits)

One course chosen from three of the major subfields

Specialization Requirements (9 credits)

Three additional courses chosen from Comparative Politics, International Relations or Political Thought.

American Politics

POLS 1150 American Political System 3

Comparative Politics

POLS 1500 Introduction to Comparative Politics 3

POLS 1510 Politics of the Developing World 3

POLS 2510 West European Politics 3

POLS 2520 Introduction to African Politics 3

POLS 2530 Soviet & Post-Soviet Politics 3

POLS 2540 Ethnicity and Internal War 3

POLS 2550 Political Systems of the Sub-Saharan 3

POLS 2560 Politics of Asia 3

POLS 2570 Introduction to Latin American Politics 3

POLS 2580 Politics of Mexico 3

POLS 2590 Politics of the Middle East and North Africa 3

POLS 3500 East Asian Political Economy 3

POLS 3510 Rebirth of Democracy 3

POLS 3520 Communism, Capitalism & Social Justice 3

POLS 3530 Comparative Revolutions 3

POLS 3540 Latin American Social Movements 3

POLS 3550 Political Processes in Latin America 3

POLS 3567 Political Development in Contemp. Spain 3

POLS 3570 Third World Development 3

POLS 3580 The Arab Uprisings 3

POLS 3810 Latin American-U.S. Relations 3

International Relations

POLS 1800 Introduction to International Politics 3

POLS 2800 Intro to International Political Economy 3

POLS 2810 Introduction to Diplomacy 3

POLS 2840 International Terrorism 3

POLS 2850 War and Peace in the Middle East 3

POLS 2860 Middle East In International Politics 3

POLS 2891 Theory and Practice of Human Rights 3

POLS 3800 Problems of Globalization 3

POLS 3810 Multilateral Diplomacy 3

POLS 3820 Internal/ Organztn & Management of World Problems 3

POLS 3830 International Security and Conflict Resolution 3

POLS 3840 International Law 3

POLS 3850 International Relations of Africa 3

POLS 3870 America and the Middle East 3

POLS 3810 Latin American-U.S. Relations 3

Political Thought

POLS 1700 Foundations of Political Theory 3

POLS 2700 Issues in Political Philosophy 3

POLS 3710 Ancient & Medieval Political Thought 3

POLS 3720 Renaissance & Modern Political Thought 3

POLS 3770 Feminist Theory: Gender Justice 3

TOTAL CREDITS: 18
Continuation Standards
Students in the Political Science minor must maintain a 2.0 GPA in Political Science coursework.

ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
The B.A./M.A. in Political Science offers students the opportunity to complete the B.A. and M.A. degrees in an accelerated 5-year 144-credit program of study (120 as an undergraduate, 30 as a post-baccalaureate student, 6 of those credits counted towards both degrees). Students who have been admitted for undergraduate study at Saint Louis University and select a major in Political Science may apply in their junior year of study to be admitted to the Master's program to complete the linked post-baccalaureate degree.

Program Requirements
Political Science major, junior standing, and a grade point average of at least 3.40.

MASTER OF ARTS IN POLITICAL SCIENCE

Program Highlights
The M.A. program allows academically talented students to advance their knowledge and analytical skills by focusing on an interdisciplinary problem-oriented area of concentration within political science. The M.A. is open to individuals who have previously earned a B.S. or B.A. degree in political science or a related social science discipline from an accredited university and demonstrate outstanding potential. Students admitted for M.A. study must have an outstanding undergraduate record and demonstrate the potential for senior leadership in Political Science.

Curriculum Overview
The M.A. in political science requires 30 credits with the option of one of five concentration areas.

American Politics
The American politics track provides a substantive grounding in the academic study of American politics, strong methodological skills and options to concentrate on particular areas of interest. This track is appropriate for many purposes and is particularly recommended for students who are interested in preparing for a Ph.D. program in political science. The public law track is appropriate for students who are interested in law and its broader role in the American political system. Students who are contemplating law school might be particularly interested in this track.

International Affairs
Choose from a general international affairs track or a track that focuses on security and cooperation.

The general international affairs track provides an overall theoretical and substantive grounding in international relations and comparative politics. Some of the topics covered are the process of democratization, warfare, diplomacy and human rights. This track is particularly appropriate for students who are interested in preparing for a doctoral program.

The security and cooperation track provides a theoretical and substantive grounding in international relations and comparative politics, with a particular focus on international security. Courses focus on terrorism, asymmetric warfare and international organization. Students also gain skills in geographic information systems.

Gender and Politics
This concentration explores the social and political ramifications of gender in U.S. and world politics.

Political Theory
This concentration provides substantive grounding in the history of Western political thought, as well as the opportunity to explore issues in contemporary political theory and philosophy.

Public Policy
This concentration is designed for students interested in gaining a practical understanding of how political and social policies are developed.

Careers
The M.A. in Political Science prepares students for careers in government, foreign service, national or international business, nonprofit organizations and NGOs, as well as future graduate study. Possible careers include campaign aide, diplomat and labor relations specialist.

Admission Requirements
B.A. or B.S. in political science or a related social science discipline. This should include at least 18 credits of undergraduate political science courses and an undergraduate social science methods course.

Successful applicants possess a GPA of 3.4 (overall and in political science courses), sufficient GRE scores and sufficient TOEFL score (for international applicants).

Application Requirements
+ Online application and fee
+ Three letters of recommendation
+ National board score test results
+ Transcript(s)
+ A statement of purpose
+ A writing sample
+ Curriculum vitae or résumé

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information.
about international application requirements.

Assistantship Application Deadline
Students want to be considered for an assistantship must submit their application by Jan. 30.

Review Process
Applications are reviewed by a committee of political science department faculty members.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Students will choose a track and focus on American Politics, Gender and Politics, International Affairs, Public Policy, or Political Theory.

All students will complete a total of 30 credits for the M.A. degree. All students are required to pass a field exam administered at the beginning of the student’s final semester of coursework.

No more than 12 credits of the M.A. may be taken outside Political Science, no more than 6 credits may be taken at the 4000-level, and no more than 6 credits may be independent study classes or internships. Some classes have prerequisites. Depending on their undergraduate preparation, students may be required to take specific undergraduate classes prior to enrolling in post-baccalaureate classes. Exceptions will be allowed only with the approval of the Director of Graduate Studies for the department.

Students may complete an internship for up to six credits as part of the M.A. in political science. Students will work under the direction of a preceptor at the internship location and a faculty member in the department. The internship should involve 200 hours of work central to the organization students are working with, and students will also need to write an extensive paper related to the work.

Students who choose to write master’s theses will work closely with a faculty director and a committee of two other faculty members chosen with the director’s guidance. The M.A. thesis is a two-semester project. Students will complete a thesis proposal in the first semester and the thesis itself during the second semester. Students who are not able to defend their proposal successfully during the first semester will not be allowed to continue to the second semester of thesis work. The length of the thesis varies according to the nature of the project, but most theses fall between 40 and 75 pages.

American Politics Concentration (General Track)

Core Courses (6 credits)
POLS 5100 Seminar in American Politics 3
POLS 6700 American Political Thought 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Other Required Courses (6 credits)
Two more American politics or Public Policy courses 6

Political Science Elective Courses (12 credits)
6 credits may be an internship or M.A. thesis

TOTAL CREDITS: 30

American Politics Concentration (Public Law Track)

Core Courses (6 credits)
POLS 5100 Seminar in American Politics 3
POLS 6700 American Political Thought 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Concentration Requirements (6 credits)
POLS 5300 Administrative Law 3
POLS 5800 Theories of Constitutional Interpretation 3
POLS 5171 Law, Policy and Society 3

Political Science Elective Courses (12 credits)
6 credits may be an internship or M.A. thesis

TOTAL CREDITS: 30

Gender and Politics Concentration

Core Courses (6 credits)
POLS 5760 Feminist Theory 3
POLS 5770 Feminist Epistemology 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Concentration Requirements (12 credits)
POLS 5300 American Race Relations 3
POLS 5150 Gender and American Politics 3
POLS 5680 Islam and Gender 3
POLS 5710 Citizenship and Social Difference 3
POLS 5800 Gender, Development, and Sustainability 3
POLS 6710 Leadership and Culture 3

Political Science Elective Courses (6 credits)
Creds may be an internship or M.A. thesis

TOTAL CREDITS: 30

International Affairs Concentration

Core Courses (6 credits)
POLS 5510 Democratization 3
POLS 5550 Politics of Economic Development 3
POLS 5580 Theories of World Politics 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Political Science Elective Courses (18 credits)
6 credits may be an internship or M.A. thesis

TOTAL CREDITS: 30

International Affairs Concentration (Foreign Service Track)
Core Courses (6 credits)
POLS 5610 Democratization 3
POLS 5650 Politics of Economic Development 3
POLS 5890 Theories of World Politics 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Other Required Courses (6 credits)
POLS 5100 Seminar in American Politics 3
POLS 5820 Global Diplomacy 3

Language Requirement (6 credits)
6 credits at the 4000 or 5000-level of the foreign language appropriate to an area of interest.

Students who have already achieved this level of proficiency may take 6 credits of electives instead.

Political Science Elective Courses (6 credits)

TOTAL CREDITS: 30

International Affairs Concentration (Security and Cooperation Track)

Core Courses (6 credits)
POLS 5510 Democratization 3
POLS 5650 Politics of Economic Development 3
POLS 5890 Theories of World Politics 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Other Required Courses (9 credits)
POLS 5820 Global Diplomacy 3
POLS 5840 Problems of International Terrorism 3
POLS 5880 Asymmetric War 3
POLS 6310 Policy Process 3
SOC 5850 Introduction to Geographic Information Systems 3
SOC 5880 Intermediate Geographic Information Systems 3

Political Science Elective Courses (12 credits)
6 credits may be an internship or MA thesis

TOTAL CREDITS: 30

Political Theory Concentration

Core Courses (3 credits)
POLS 5930 History of Political Thought 3

Research Methods (3 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3

Other Required Courses (12 credits)
POLS 5710 Citizenship and Social Difference 3
POLS 5730 Contemporary Political Ideologies 3
POLS 5740 Marx's Capital 3
POLS 5760 Feminist Theory 3
POLS 5770 Feminist Epistemologies 3
POLS 6700 American Political Thought 3
POLS 6710 Leadership and Culture 3

Political Science Elective Courses (12 credits)
6 credits may be an internship or MA thesis

TOTAL CREDITS: 30

Public Policy Concentration

Core Courses (6 credits)
POLS 5100 Seminar in American Politics 3
POLS 6310 Policy Process 3

Research Methods (6 credits)
POLS 5010 Cultural Methods: Gender, Politics, and Power 3
POLS 5020 Advanced Topics in Research Methods 3

Other Required Courses (6 credits)
POLS 6320 Organizational Theory 3
POLS 6330 Public Finance Theory 3

Political Science Elective Courses (12 credits)
6 credits may be an internship or MA thesis

TOTAL CREDITS: 30

Non-Course Requirements
All students in the political science M.A. program must sit for a field exam during their last semester of coursework. All students must pass the written portion of the exam. An additional oral exam will be required at the discretion of the exam committee.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

MASTER OF ARTS IN POLITICAL SCIENCE & JURIS DOCTOR DUAL DEGREE

Overview
The dual M.A. in Political Science/J.D. allows students to complete a J.D. and an M.A. in Political Science in roughly four years, with less time and expense than would be incurred completing the two degrees separately. The dual degree is compatible with any of the tracks in the Political Science M.A. A student interested in the role law plays in American society, for instance, might follow the Public Law M.A. track, while a student interested in international law might combine the J.D. with one of the International Affairs tracks.

Program Requirements
Students must complete the first-year requirements for the School of Law before beginning their studies in the M.A. program. Thereafter, students will attend classes in both the School of Law and Department of Political Science. Students will ordinarily complete a total of 103 credits of academic work in order to complete the M.A./J.D. 91 credits in the School of Law and 21 credits in the Department of Political Science. Of the 91 credits required for the J.D. degree, 9 credits are satisfied by Political Science courses and 9 credits of Law School courses are accepted toward the 30 credits required for the Master’s degree.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
MASTER OF PUBLIC ADMINISTRATION

Program Highlights
The Master of Public Administration (M.P.A.) program is designed for public service professionals and pre-service students interested in preparing themselves for a career in the public or nonprofit sectors at the national, state, and local levels. The M.P.A. provides a unique interdisciplinary range of educational experience and research. In the past, students have participated in projects for the U.S. Departments of Labor, Education, Justice, Health and Human Services, the Brookings Institution, and a variety of regional, state, and local public and private entities. The M.P.A. degree program is accredited by the Network of Schools of Public Policy, Affairs, and Administration (NASPAA).

Curriculum Overview
The Master of Public Administration (M.P.A.) program is comprised of course work totaling 36 credits: 18 credits of required core courses and 18 credits of electives. In addition, the program requires an Internship (3 credits) for students with limited professional experience in the public sector.

Admission Requirements
At least 18 credits in advanced social science or business courses, an introductory inferential statistics course or its equivalent.

Successful applicants possess a GPA of 3.4 (overall and in political science courses), sufficient GRE scores and sufficient TOEFL score (for international applicants).

Application Requirements
+ Online application and fee
+ Three letters of recommendation
+ National board score test results
+ Transcript(s)
+ A statement of purpose
+ A writing sample
+ Curriculum vitae or résumé

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students want to be considered for an assistantship must submit their application by Jan. 30.

Review Process
Applications are reviewed by a committee of political science department faculty members.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (18 credits)
POLS 5020 Advanced Topics in Research Methods 3
POLS 5300 Administrative Law 3
POLS 5310 Issues in Public Administration 3
POLS 5325 Introduction to Public Sector Budgeting 3
POLS 5330 Economics of the Public Sector 3
POLS 6320 Organizational Theory and Behavior 3

Elective Courses (18 credits)
Students select elective course work with advice from the program director. Elective course work is available in a variety of areas. Typical focus areas for Public Administration students include:

Criminal Justice Policy
Finance
Nonprofit Fundraising
Health Care Policy
Housing Policy
Nonprofit Management
Organizational Psychology
Public Sector Budgeting

Internships Requirement
Students without significant professional experience in public service are required to take a three credit internship.

TOTAL CREDITS: 36-38 credits

Non-Course Requirements
In order to complete the program, students complete a capstone project.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

MASTER OF PUBLIC ADMINISTRATION & MASTER OF ARTS IN POLITICAL SCIENCE DUAL DEGREE

Overview
The M.P.A./M.A. dual degree program unites the American and urban focus of public policy analysis with the broad international and theoretical concerns of political science. There are a total of 51 credits of course work required for the M.P.A./M.A. in Political Science.

Program Requirements

Required Courses (18 credits)
POLS 5020 Advanced Topics in Research Methods 3
POLS 5300 Administrative Law 3
POLS 5310 Issues in Public Administration 3
POLS 5325 Introduction to Public Sector Budgeting 3
POLS 5330 Economics of the Public Sector 3
POLS 6320 Organizational Theory and Behavior 3

Additional Requirements
Three core classes, with two from either the American Politics or the International Affairs concentration, and
one core class from the other concentration (9 credits)  
Internship (3 credits)  
Political Science Elective Courses (18 credits)  
Capstone (3 credits)  
Continuation Standards  
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.  

MASTER OF PUBLIC ADMINISTRATION & JURIS DOCTOR DUAL DEGREE  

Overview  
The Department of Political Science and the School of Law offer students the opportunity to earn a dual degree in Law and Public Administration (J.D./M.P.A). Students spend the first year of the dual program in the law school. Thereafter, students undertake both M.P.A. and J.D. coursework. Students in the dual degree program take a total of 106 credits of coursework (82 credits in the School of Law and 24 credits from the M.P.A. curriculum).  

Program Requirements  
Required Courses (18 credits)  
POLS 5020 Advanced Topics in Research Methods 3  
POLS 6300 Administrative Law 3  
POLS 5310 Issues in Public Administration 3  
POLS 5325 Introduction to Public Sector Budgeting 3  
POLS 5330 Economics of the Public Sector 3  
POLS 8320 Organizational Theory and Behavior 3  
Elective Course (3 credits)  
Internship (3 credits)  
Continuation Standards  
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.  

Elective Course (6 credits)  
Internship (3 credits)  
Generalist Foundation Courses (18 credits)  
SWRK 5702 Social Policy 3  
SWRK 5750 Social Work Practice with Individuals, Families, and Groups 3  
SWRK 5751 Social Work Practice with Communities and Organizations 3  
SWRK 5725 Human Behavior and the Social Environment 3  
SWRK 5819 Foundation Integrative Seminar 1  
SWRK 5841 Foundation Practicum I 2  
PUBH 5010 Mission and Practice of Global Public Health 3  
Advanced Social Policy Course (3 credits)  
SWRK 5707 Policy Practice for Social Justice 3  
Values & Ethics Courses (6 credits)  
SWRK 5700 Values and Ethics 3  
SWRK 5748 Behavior Change and Ethics in Applied Behavior Analysis 3  
Research Methods Courses (3 credits)  
SWRK 5787 Research Methods for Social Work Practice I 3  
SWRK 5788 Research Methods for Social Work Practice II 3  
Advanced Practice Concentration Courses (9 credits)  
SWRK 5733 Advanced Clinical Social Work Practice 3  
SWRK 5734 Human Behavior and the Social Environment Part II 3  
SWRK 5782 Clinical Diagnosis 3  
Concentration Practicum (6 credits)  
SWRK 5820 Concentration Integrative Seminar 1  
SWRK 5832 Clinical Practicum II 2  
SWRK 5833 Clinical Practicum III 3  
Continuation Standards  
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.  

MASTER OF PUBLIC ADMINISTRATION & MASTER OF SOCIAL WORK DUAL DEGREE  

Overview  
The Department of Political Science and the College for Public Health and Social Justice offer students the opportunity to earn a dual degree in Public Administration and Social Work. Students will generally spend the first semester of the dual degree program in Social Work.  

Program Requirements  
Required Courses (18 credits)  
POLS 5020 Advanced Topics in Research Methods 3  
POLS 6300 Administrative Law 3  
POLS 5310 Issues in Public Administration 3  
POLS 5325 Introduction to Public Sector Budgeting 3  
POLS 5330 Economics of the Public Sector 3  
POLS 8320 Organizational Theory and Behavior 3  
Values & Ethics Courses (6 credits)  
SWRK 5700 Values and Ethics 3  
SWRK 5748 Behavior Change and Ethics in Applied Behavior Analysis 3  
Research Methods Courses (3 credits)  
SWRK 5787 Research Methods for Social Work Practice I 3  
SWRK 5788 Research Methods for Social Work Practice II 3  
Advanced Practice Concentration Courses (9 credits)  
SWRK 5733 Advanced Clinical Social Work Practice 3  
SWRK 5734 Human Behavior and the Social Environment Part II 3  
SWRK 5782 Clinical Diagnosis 3  
Concentration Practicum (6 credits)  
SWRK 5820 Concentration Integrative Seminar 1  
SWRK 5832 Clinical Practicum II 2  
SWRK 5833 Clinical Practicum III 3  
Continuation Standards  
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
PSYCHOLOGY
www.slu.edu/arts-and-sciences/psychology

LEADERSHIP
Jeffrey D. Gfeller, Ph.D.
Department Chair
Kimberly K. Powlishta, Ph.D.
Graduate Director, Experimental Program
Jillon S. Vander Wal, Ph.D.
Graduate Director, Clinical Program
Edward J. Sabin, Ph.D.
Graduate Director, Industrial-Organizational Program

OVERVIEW
The Department of Psychology at Saint Louis University focuses on exploring and understanding the complexities of the mind and human behavior through research, specialized programs and a vibrant learning community.

SLU has the oldest psychology department at a Jesuit university and has offered psychology courses for more than 100 years. Students pursuing a psychology degree will find support in approximately 300 fellow undergraduate students and 100 fellow graduate students, making it one of the most popular programs at SLU. More than 25 faculty members provide mentorship and research opportunities for students, as well.

Based in a strong liberal arts background, areas of study can venture into social psychology, organizational psychology, educational psychology and psychology and the law. Regardless of what courses students choose as part of the program, students will develop evaluation skills and an enhanced understanding of themselves, uniquely preparing students to make a difference.

The department’s two centers, the Center for the Application of Behavioral Sciences and the Psychological Services Center, promote community service. Students can also gain valuable, hands-on experience by assisting on faculty or graduate research projects, as well as conducting their own research.

The department offers Bachelor of Arts and Bachelor of Science undergraduate degrees.

The department of psychology at Saint Louis University offers a nonterminal master's degree and doctoral programs in three areas:

- Clinical psychology
- Experimental psychology (with concentrations in developmental psychology, social psychology and cognitive neuroscience)
- Industrial-organizational psychology

Undergraduate Offerings
- Bachelor of Arts in Psychology
- Bachelor of Science in Psychology

+ Minor in Psychology

Graduate Offerings
- Master of Science in Clinical Psychology
- Master of Science in Experimental Psychology
- Master of Science in Industrial-Organizational Psychology
- Doctor of Philosophy in Clinical Psychology
- Doctor of Philosophy in Experimental Psychology
- Doctor of Philosophy in Industrial-Organizational Psychology

Faculty
Michael Anch, Ph.D.
Kira Hudson Banks, Ph.D.
Tony Buchanan, Ph.D.
Eddie M. Clark, Ph.D.
John F. Cross, Ph.D., Professor Emeritus
D. Gene Davenport, Ph.D., Professor Emeritus
Phyllis Terry Friedman, Ph.D.
Annie Garner, Ph.D.
Jeffrey D. Gfeller, Ph.D.
Judith L. Gibbons, Ph.D., Professor Emeritus
Paul J. Handal, Ph.D.
Richard Harvey, Ph.D.
Honore M. Hughes, Ph.D., Professor Emeritus
Dustin K. Jundt, Ph.D.
David A. S. Kaufman, Ph.D.
Ronald T. Kellogg, Ph.D.
Kristin L. Kiddoo, Ph.D.
Challis J. Kinnucan, Ph.D.
Brenda A. Kirchoff, Ph.D.
James H. Korn, Ph.D., Professor Emeritus
Janet E. Kuebli, Ph.D.
Donna LaVoie, Ph.D.
David C. Munz, Ph.D., Professor Emeritus
Joan Miles Oliver, Ph.D., Professor Emeritus
Kimberly K. Powlishta, Ph.D.
Michael J. Ross, Ph.D.
Cort W. Rudolph, Ph.D.
Edward S. Sabin, Ph.D.
Bryan Sokol, Ph.D.
Jillon Vander Wal, Ph.D.
Jill Waring, Ph.D.
Ruth Warner, Ph.D.
Terri Lynn Weaver, Ph.D.
Jeremiah Weinstock, Ph.D.
Lisa Willoughby, Ph.D.

BACHELOR OF ARTS IN PSYCHOLOGY

Program Highlights
Psychology is the science of behavior. Students learn how human behavior depends on biological factors, developmental status, cognitive processes and social conditions. Behavioral science encompasses a wide range of methods and topics, from brain function to cultural influences. The discoveries of psychology improve understanding of the human experience and the quality of life.

As one of the most popular majors at Saint Louis University, psychology provides students with multiple
The department of psychology’s mission is to broadly educate students in the discipline of psychology and its applications. The faculty accomplish this by integrating empirical science, theory and practice focused toward the evidence-based understanding of the behavior and experience of individuals and groups, including the family, organizations and institutions.

The faculty encourage intellectual curiosity, critical thinking and ethical responsibility. A commitment to value-based, holistic education and an enthusiasm for psychology is realized in the products of research, in graduates and in service to others locally, nationally and globally. The faculty seek to contribute to the improvement of the human condition and to promote human welfare through understanding past knowledge, discovering new knowledge and disseminating that knowledge through teaching, publication and service. The faculty educate students to be professionals and challenge them to be ethically responsible, to be committed to serving others and to respect human diversity in all its forms.

Additional program highlights include:

+ Psychology majors are mentored by individual faculty members who support students’ discernment of and successful progress toward professional goals that are integrated with expectations of compassionate community engagement.

+ Psychology majors build evidence-based habits of mind and research skills through rigorous coursework, individual research projects, and as research assistants working with faculty and graduate students investigating a wide variety of psychological phenomena (e.g., eating behaviors, gambling, stress, intergroup relations, close relationships, ADHD, social categorization, stigma and stereotyping, parent-child discourse, PTSD, sleep, aging and organizational development, assessment and consulting).

+ Psychology majors can take science out of the ivory tower to foster social justice in diverse communities and neighborhoods as members of a social advocacy learning community, at nearby service-learning practicum sites or through values-based research activities.

Curriculum Overview

The undergraduate psychology program offers students three degree options: a B.A., a B.S. and a minor in psychology. Each introduces students to the study of psychology, while developing capacities for evidence-based reasoning, quantitative thinking and psychological inquiry.

Majors receive a strong liberal arts education in preparation for entry-level employment, with strengths in understanding people and evidence-based reasoning. The B.A. and B.S. degrees further prepare students to enter graduate programs for professional training as psychologists for which a Ph.D. is needed. Students may also use the B.A. and B.S. degrees in psychology as preprofessional training in medicine, physical therapy, occupational therapy, social work, education and law.

Fieldwork and Research Opportunities

Students can also gain valuable, hands-on experience by assisting faculty or graduate research projects, as well as conducting their own research through capstone research projects, and by volunteering at human services sites through capstone practicum projects.

Students may gain volunteer experience in a variety of practicum settings, including mental health, research, consulting, schools and community service organizations. In addition to completing multiple courses in research methodology and statistics, students may seek out opportunities to be undergraduate research assistants working in a faculty member’s research lab.

Careers

SLU graduates have used their psychology degree as pre-professional training to go on to the fields of medicine, physical therapy, occupational therapy, social work, education or law. Strengths in understanding and reasoning about human behavior will also prepare students for entry-level positions in many additional fields.

An undergraduate degree in psychology can also prepare students to continue as a graduate student with plans to become a psychologist, a profession that requires a Ph.D.

Admission Requirements

Freshman

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory coursework is a primary criterion in reviewing a freshman applicant’s file. College admission test scores (ACT or SAT) are used as an additional indicator of the student’s ability to meet the University’s academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).
In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigors of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements
Minimum residency requirement: 15 departmental credits including PSY 2050 and the Capstone course.

Required Courses (7 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 1010</td>
<td>General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2050</td>
<td>Foundations of Research Methods and Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Required Area Courses (12 credits)
Minimum of 1 course in each of the 4 areas below

<table>
<thead>
<tr>
<th>Area</th>
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<tbody>
<tr>
<td>Cognitive Neuroscience</td>
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<td></td>
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</tbody>
</table>

Psychology Elective Courses (9 credits)
9 credits in additional 3000 or 4000 level course in Psychology, excluding a capstone course.

Capstone Course (3-4 credits)

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>PSY 4010</td>
<td>Adv Statistics &amp; Research Methods</td>
</tr>
<tr>
<td>PSY 4870</td>
<td>Capstone Practicum Project</td>
</tr>
<tr>
<td>PSY 4880</td>
<td>Capstone Research Project</td>
</tr>
<tr>
<td>PSY 4900</td>
<td>Critical Thinking about Psychology</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 31-32

Non-Course Requirements
Mentoring Matters (first-year majors and second-year majors)

Attendance at Mentoring Matters is required for all Psychology majors during their first and second year as a major. Each year, students participate in a 90-minute Mentoring Matters session scheduled in February.

Continuation Standards
To continue as a Psychology major, students must earn a C or better in PSY 1010 and maintain a Psychology GPA of 2.00.

Bachelor of Science in Psychology

Program Highlights
Psychology is the science of behavior. Students learn how human behavior depends on biological factors, developmental status, cognitive processes and social conditions. Behavioral science encompasses a wide range of methods and topics, from brain function to cultural influences. The discoveries of psychology improve understanding of the human experience and the quality of life.

As one of the most popular majors at Saint Louis University, psychology provides students with multiple avenues to explore their own interests and develop their abilities through research, service and study. Areas of study include cognitive neuroscience, developmental psychology, social/personality psychology and applied psychology.

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Program Requirements

Minimum residency requirement: 18 departmental credits including PSY 2010 Disciplines & Practices in
### Psychology, PSY 2050, PSY 3080, and PSY 4010.

<table>
<thead>
<tr>
<th>Required Courses (18 credits)</th>
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<tbody>
<tr>
<td>PSY 1010 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 2050 Foundations of Research Methods and Statistics</td>
<td>4</td>
</tr>
<tr>
<td>PSY 2010 Disciplines &amp; Practices in Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSY 3060 Applications of Research Methods and Statistics</td>
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<tr>
<td>PSY 4010 Advanced Research Methods and Statistics</td>
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**TOTAL CREDITS: 38-37**

### Non-Course Requirements

Mentoring Matters (first-year majors and second-year majors)

Attendance at Mentoring Matters is required for all Psychology majors during their first and second year as a major. Each year, students participate in a 90-minute Mentoring Matters session scheduled in February.*

### Continuation Standards

To continue as a Psychology major, students must earn a C or better in PSY 1010 and maintain a Psychology GPA of 2.00.

## MINOR IN PSYCHOLOGY

### Program Requirements

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<tbody>
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<td>3 credits of additional 3000 or 4000 level courses in Psychology, excluding PSY 4790, 4800, 4010, 4870, 4880, or 4900.</td>
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</tbody>
</table>

**TOTAL CREDITS: 18**

### Continuation Standards

To continue as a Psychology minor, students must earn a C or better in PSY 1010 and maintain a Psychology GPA of 2.00.

Minors are not required to meet with a Psychology faculty mentor but are welcome to do so. The formal mentoring period begins directly after fall break and spring break.

## DOCTOR OF PHILOSOPHY IN CLINICAL PSYCHOLOGY

### Program Highlights

In its 2015 "Best Graduate Schools" edition, U.S. News & World Report ranked SLU's clinical psychology graduate education program in the top 100 of all graduate programs in the United States.
Students specialize their graduate studies in clinical psychology by choosing from one of the following education and training opportunities, as defined by the Taxonomy for Health Service Specialties: clinical child psychology, clinical neuropsychology, health psychology, trauma psychology or sports psychology. In addition to a research project or dissertation, each area of study requires two to three years of courses and practicums, depending on which specialty is chosen.

Curriculum Overview
Thirty-six credits are required for the master's degree, including 30 credits of departmental and clinical core coursework and six credits of thesis research. Each student must complete and defend a thesis. Upon completion of the master's degree, doctoral students complete an additional 42 credits of coursework and 12 credits of dissertation research.

Ph.D. students conduct a public presentation and oral defense of the dissertation following completion of this research project. They must also complete an APA-approved internship in clinical psychology prior to receiving their doctoral degree.

Area of Emphasis, Experience or Exposure
Clinical Child Psychology
Elective graduate courses for students interested in clinical child psychology include Child Assessment and Psychopathology, Child Interventions, Couples and Family Therapy, Cognitive Behavioral Interventions, and Psychopharmacology. External placements involving pediatric, child and adolescent assessment, consultation and intervention are also available.

Clinical Neuropsychology
Elective graduate courses for students interested in the field of clinical neuropsychology include Fundamentals of Neuropsychology, Neuropsychological Assessment, Memory and Cognition, Physiological Psychology and Psychopharmacology. Supervised clinical experience in neuropsychological assessment, consultation and treatment is offered through external placements.

Health Psychology
Students interested in health psychology should consider taking courses in Clinical Health Psychology, Cognitive Behavior Interventions, Psychopharmacology, Sports Psychology, and Addictions: Assessment and Interventions. Additional courses related to health psychology are offered in SLU's College of Public Health and Social Justice. External placements in the application of psychological services to enhance physical well-being and health are available.

Trauma Psychology
Students interested in working in the field of trauma are offered elective graduate coursework in the Psychology of Trauma, Cognitive Behavioral Interventions, and Addictions: Assessment and Interventions. Additional courses related to traumatic stress are offered in SLU's College of Public Health and Social Justice. Supervised clinical training experiences with those who have experienced trauma are offered within the Psychological Services Center on a trauma-focused team.

Sports Psychology
Elective graduate courses in Sports Psychology, Health Psychology and Cognitive Behavioral Interventions are offered to students interested in sports and performance psychology. Students work with teams and athletes across the community, including the SLU Department of Athletics, through research, practicum and clinical training opportunities.

Fieldwork and Research Opportunities
Training in psychological assessment and intervention for children, adolescents and adults is provided through the on-campus Psychological Services Center. Advanced clinical training opportunities in neuropsychology, pediatric and clinical child psychology, health psychology and academic psychology are available through collaborative relationships with medical centers, agencies and practitioners in the St. Louis community. Specialized research, clinical and academic opportunities also are available through various fellowships, grants and contracts.

Careers
The American Psychological Association accredited clinical psychology program will train students to be a competent and ethical scientist-practitioner in a variety of health care settings. Job possibilities include clinical psychology, clinical health psychology, neuropsychology, and child psychology.

Students in the graduate program in clinical psychology have gained professional experience through internships at Baylor College of Medicine, Boston Medical Center, Vanderbilt University VA Medical Center, Rush University Medical Center and University of Louisville, among others.

Admission Requirements
Most students enter the program with a bachelor's degree and complete both the Master of Science degree and the Doctor of Philosophy degree in the clinical program.

Applicants with bachelor's degrees must apply to the M.S. degree program and will eventually petition to the Ph.D. program.

An applicant who already has earned a Master of Arts or Master of Science degree in psychology will apply to the Ph.D. degree program.

Students admitted to the program typically will have an average undergraduate GPA of 3.7 (on a 4.0 scale) and both verbal and quantitative GRE scores above the 50th percentile. Admitted students typically have also relevant clinical and research experience. Students must have completed a minimum of 21 credits of study in psychology, including courses in general psychology, abnormal psychology and research and/or statistical methods. Applications must be submitted by Dec. 1.
Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Interview
+ Personal statement
+ Diversity statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Dec. 1.

Program Requirements - Bachelor's Option
This option is for students entering with a bachelor's degree.

Required Courses (33 credits)
- PSY 5030 Clinical Assessment I [3]
- PSY 5040 Clinical Assessment II [3]
- PSY 5100 History and Systems [3]
- PSY 5120 Cognitive-Affective Bases of Behavior [3]
- PSY 5130 Neuroscience [3]
- PSY 5220 Lifespan Developmental Psychology [3]
- PSY 5300 Social Aspects of Behavior [3]
- PSY 5630 Human Diversity [3]
- PSY 5620 Psychopathology [3]
- PSY 5810 Clinical Interventions [3]
- PSY 6800 Ethics and Professional Issues [3]

Research Methods (6 credits)
- PSY 5080 Adv Quantitative Research Methods [3]
- PSY 5090 Psychometric Theory [3]

Statistics (6 credits)
- PSY 5790 Applied Univariate Statistics [3]
- PSY 6500 Applied Multivariable & Multivariate Stats [3]

Clinical Practice (0 credits)
- PSY 5800 Clinical Practicum I [3]
- PSY 5810 Clinical Practicum II [3]
- PSY 5820 Clinical Practicum III [3]
- PSY 5830 Clinical Practicum IV [3]

Electives (27 credits)

Research (18 credits)
- PSY 5880 Clinical Research I* [3]
- PSY 5870 Clinical Research II* [3]
- PSY 5890 Thesis Research [3]
- PSY 6880 Advanced Clinical Research I* [3]
- PSY 6870 Advanced Clinical Research II* [3]

TOTAL CREDITS: 54

Non-Course Requirements
Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

Doctor of Philosophy in Experimental Psychology

Program Highlights
In its 2015 "Best Graduate Schools" edition, U.S. News & World Report ranked SLU's clinical psychology graduate education program in the top 100 of all graduate programs in the United States. This program trains students as scientist-practitioners to provide clinical and research services in academic or health care settings. The 36 credits required for the master's
degree include 30 credits comprising the departmental and clinical core coursework and six credits of thesis research. Each student must complete and defend a thesis in accordance with graduate school requirements. Upon completion of the master's degree, doctoral students complete an additional 42 credits of coursework and 12 credits of dissertation research. Students conduct a public presentation and oral defense of the dissertation following completion of this research project. Finally, students must complete an APA-approved internship in clinical psychology prior to receiving their doctoral degree.

Curriculum Overview
Thirty credits of coursework are required for the master's degree, which counts toward the 59 credits required for the Ph.D. Students entering the program with a master's degree may present course syllabi and/or other documentation from previous courses to the experimental psychology graduate program director to request substitutions for specific requirements.

The Experimental Psychology program includes three concentration areas: Cognitive Neuroscience, Developmental Psychology, and Social Psychology. All areas integrate theory and research in courses, research, and professional experiences.

Three Concentrations
Cognitive Neuroscience
This concentration focuses on the integration of cognitive psychology and neuroscience. It is designed to prepare students for research careers in basic and applied settings, and teaching at the college level.

Coursework in the cognitive neuroscience concentration deals with basic issues in cognition and neuroscience, while specialty seminars address specific interests. In the laboratory, emphasis is placed on acquiring technical and practical skills in the instrumentation and research methodology associated with a specialization. Writing and presentation skills necessary for the communication of research are emphasized through course assignments, grant writing, presentations at regional and national meetings, and publications.

Students in the cognitive neuroscience concentration participate in Cognitive Neuroscience of Stress Lab, Neuroscience Sleep Laboratory, Multidisciplinary Aging and Cognition Research Lab, Memory, Language, and Cognition Lab, and Cognitive and Affective Neuroscience of Aging Lab.

Developmental Psychology
This concentration investigates developmental processes in childhood and adolescence, with an emphasis on the social aspects of development, such as parent-child interaction, gender cognitions and socio-moral reasoning. It prepares students to teach and conduct research in academic and research settings. Students complete survey courses exploring issues in social and cognitive development, as well as topical seminars more specific to faculty research interests.

Research training for this concentration follows an apprenticeship model. Students begin by immersing themselves in their mentor's research area, conducting collaborative, and increasingly independent, work throughout their tenure in the program. Many students begin teaching — ranging from assistant duties or guest lectures to full responsibility for a course — to prepare for future academic appointments.

Gender Cognitions and Development Lab, Child and Adolescent Social Development Lab, and Child and Family Research Lab are associated with the developmental psychology concentration.

Social Psychology
This concentration examines the behavior of groups and individuals in a social context. Areas explored include: self-concept structure, self-regulation, close relationships, stereotyping and prejudice, social justice, the social psychology of health, social exclusion, racial and social identification, and attitudes.

The social psychology specialty offers academic and research training, as well as an applied component that involves both coursework and professional experience. Students are trained in theoretical and programmatic research as those fields relate to both basic and applied issues. Graduates of the specialty will be prepared for research careers in academic and applied settings, as well as teaching at the college level.

Applied Social Psychology Lab and Social Justice Lab are associated with the social psychology concentration.

Fieldwork and Research Opportunities
During each term of the program, students will actively participate in a research vertical team, which will include individual lab groups, concentration groups and/or full program groups. Through discussions, presentations and other activities, this team will help students stay involved in research and other professional development activities during the program.

Careers
This program prepares students for academic teaching and research careers in the areas of cognitive neuroscience, developmental or social psychology.

Admission Requirements
Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement
+ Interview (may be requested by review committee, usually by phone)

Requirements for International Students
+ A completed Declaration of Financial Support
packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.
Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Dec. 15.

Review Process
Applications are reviewed by a committee of experimental psychology department faculty members representing the concentration to which a student has applied.

Because the program operates on an apprenticeship model, it is important that the applicant's research interests match the expertise of one or more program faculty members, as reflected in their professional goal statement.

6-7 students are accepted into the program each year, each faculty member accepting one new student a year, on average. GPA, GRE scores, TOEFL scores (if applicable), letters of recommendation, experience, and the fit between the applicant's research interests/career goals and program offerings are all considered.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements - Bachelor's Option
This option is for students entering with a bachelor's degree.

Required Courses (2 credits)
PSY 6030 Human Diversity 1
PSY 6800 Ethics and Professional Issues 1

Research Methods (6 credits)
PSY 5080 Adv Quantitative Research Methods 3
PSY 5090 Psychometric Theory 3

Statistics (6 credits)
PSY 6790 Applied Univariate Statistics 3
PSY 8500 Applied Multivariable & Multivariate Stats 3

Program Core Requirements (12 credits)
PSY 5120 Cognitive Psychology 3
PSY 5130 Neuroscience 3
PSY 5250 Cognitive Development* 3
PSY 5300 Social Psychology 3
* or PSY 5260 Social Development

Concentration Requirements (9 credits)
Cognitive Neuroscience
PSY 6190 Topics: Cognitive Neuroscience 9
PSY 6190

Developmental Psychology
PSY 5250 Cognitive Development* 3

Social Psychology
PSY 5300 Topics: Social Psychology 9

Experimental Psychology Electives (6 credits)
PSY 6000 Teaching of Psychology 3
Or any of the courses listed in the Concentrations Requirements

Clinical Practice (0 credits)
PSY 6810 Clinical Practicum III* 0

TOTAL CREDITS: 53

Program Requirements - Master's Option
This option is for students entering with a master's degree.

Required Courses (2 credits)
PSY 6030 Human Diversity 1
PSY 6800 Ethics and Professional Issues 1

Research Methods (6 credits)
PSY 5080 Adv Quantitative Research Methods 3
PSY 5090 Psychometric Theory 3

Statistics (6 credits)
PSY 5790 Applied Univariate Statistics 3
PSY 6500 Applied Multivariable & Multivariate Stats 3

Program Core Requirements (12 credits)
PSY 5120 Cognitive Psychology 3
PSY 5130 Neuroscience 3
PSY 5250 Cognitive Development* 3
PSY 5300 Social Psychology 3
* or PSY 5260 Social Development

Concentration Requirements (9 credits)
Cognitive Neuroscience
PSY 6190 Topics: Cognitive Neuroscience 9
PSY 6190

Developmental Psychology
PSY 5250 Cognitive Development* 3
PSY 6290 Topics: Developmental Psych 6
* or PSY 5260 Social Development (not taken to complete the Program Core requirement)

Social Psychology
PSY 6390 Topics: Social Psychology 9

Experimental Psychology Electives (6 credits)
PSY 6000 Teaching of Psychology 3
Or any of the courses listed in the Concentrations Requirements

Clinical Practice (0 credits)
PSY 6810 Clinical Practicum III* 0
Research (12 credits)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 6880 Advanced Clinical Research 1*</td>
<td>0</td>
</tr>
<tr>
<td>* At least one taken each semester in residence</td>
<td></td>
</tr>
<tr>
<td>PSY 6880 Internship in Clinical Psychology</td>
<td>0</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 53

Non-Course Requirements

Successful completion of the written preliminary and the oral qualifying exams.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

DOCTOR OF PHILOSOPHY IN INDUSTRIAL-ORGANIZATIONAL PSYCHOLOGY

Program Highlights

The graduate program in Industrial-Organizational Psychology prepares Doctoral-level professionals with the knowledge, research abilities, assessment skills, and intervention approaches to impact organizational issues at the individual, group, and system levels to improve individual well-being, group functioning, and organizational effectiveness.

Some important topics within these levels include:

- Individual Differences
- Performance Management
- Selection
- Motivation
- Groups/Teams
- Organizational development
- Occupational Health
- Systems and process consultation
- Organizational assessment

Curriculum Overview

This program requires that students complete a minimum of 73 credits (or the equivalent for students who enroll with a master's degree in industrial-organizational psychology). In addition to coursework and professional training activities, industrial-organizational psychology students must complete and successfully defend an empirical thesis and dissertation.

Fieldwork and Research Opportunities

In the doctoral program in industrial-organizational psychology, students will learn to conduct research on and in organizations as well as how to apply psychological theory, models, and principles in the workplace.

Through supervised research and professional experience, students are trained as science-practitioners and are expected to develop competence in research and, if their career goals warrant, organizational consultation.

Supervised applied experience is essential for good training in the doctoral psychology program. While it is not required, most students take advantage of a vast network of professional connections that the program has established in St. Louis and complete practica (i.e., short-term projects) and/or internships (a one-year minimum commitment). Many students finish the program with two to three years of professional experience, making them attractive to potential employers.

Careers

Graduates are fully prepared to practice as industrial-organizational psychologists, applying the principles of psychology to human resources, management, marketing and more. The Bureau of Labor Statistics lists the mean annual salary of this occupation as $90,070.

Alumni are employed at organizations such as:

- Ameren UE
- Center for Creative Leadership
- Monsanto
- Pfizer
- Nike
- FedEx
- Collarelli, Meyer, & Associates
- United States Secret Service
- Metropolitan Life
- Embry-Riddle University
- Northern Illinois University
- DePaul University
- Appalachian State University
- Virginia Commonwealth University
- University of West Florida

Admission Requirements

Applicants should possess an undergraduate GPA of 3.5 or higher, a psychology major (i.e., a minimum of 18 upper-division credits in psychology, including statistics/research methods), a minimum combined score at the 50th percentile (verbal and quantitative reasoning) of the GRE, and a review of TOEFL scores (for international applicants).

Application Requirements

- Application form and fee
- Transcript(s)
- Three letters of recommendation
- GRE scores
- Résumé
- Interview
- Professional goal statement

Requirements for International Students

- A completed Declaration of Financial Support packet with all accompanying documents
- TOEFL or PTE Academic score
- Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information.
about international application requirements.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Dec. 1.

Review Process
Applications are reviewed by a committee of I/O program psychology department faculty members.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements - Bachelor's Option
This option is for students entering with a bachelor's degree.

Required Courses (7 credits)
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSY 5460</td>
<td>Advanced Organizational Psychology</td>
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<tr>
<td>PSY 6030</td>
<td>Human Diversity</td>
<td>1</td>
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<tr>
<td>PSY 6800</td>
<td>Ethics and Professional Issues</td>
<td>3</td>
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Research Methods and Statistics (15 credits)
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<th>Course Title</th>
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<tr>
<td>PSY 5080</td>
<td>Adv Quantitative Research Methods</td>
<td>3</td>
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<tr>
<td>PSY 5790</td>
<td>Applied Univariate Statistics</td>
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<tr>
<td>PSY 6500</td>
<td>Applied Multivariable &amp; Multivariate Stats</td>
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Industrial-Organizational Psychology Electives (33 credits)

Clinical Practice (0 credits)
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSY 6800</td>
<td>Clinical Assessment Practicum I</td>
<td>0</td>
</tr>
<tr>
<td>PSY 5800</td>
<td>Practicum: Psychopathology</td>
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</tr>
<tr>
<td>PSY 5830</td>
<td>Clinical Assessment Practicum II</td>
<td>0</td>
</tr>
<tr>
<td>PSY 5890</td>
<td>Clerkship: Academic Psychology</td>
<td>0</td>
</tr>
<tr>
<td>PSY 6880</td>
<td>Clinical Interventions Practicum</td>
<td>0</td>
</tr>
<tr>
<td>PSY 5810</td>
<td>Clinical Practicum I*</td>
<td>0</td>
</tr>
<tr>
<td>PSY 5820</td>
<td>Clinical Practicum II*</td>
<td>0</td>
</tr>
<tr>
<td>PSY 6810</td>
<td>Clinical Practicum III*</td>
<td>0</td>
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<tr>
<td>PSY 6820</td>
<td>Clinical Practicum IV*</td>
<td>0</td>
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</table>

* At least one taken each semester in residence

Research (12 credits)
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<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
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<tr>
<td>PSY 5880</td>
<td>Advanced Clinical Research I*</td>
<td>0</td>
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<tr>
<td>PSY 6870</td>
<td>Advanced Clinical Research II*</td>
<td>0</td>
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* At least one taken each semester in residence

TOTAL CREDITS: 73

Program Requirements - Master's Option
This option is for students entering with a master's degree.

Required Courses (4 credits)
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSY 6030</td>
<td>Human Diversity</td>
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<tr>
<td>PSY 6800</td>
<td>Ethics and Professional Issues</td>
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Research Methods and Statistics (15 credits)
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<td>PSY 5790</td>
<td>Applied Univariate Statistics</td>
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</tr>
<tr>
<td>PSY 6500</td>
<td>Applied Multivariable &amp; Multivariate Stats</td>
<td>3</td>
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</tbody>
</table>

Industrial-Organizational Psychology Electives (33 credits)

Clinical Practice (0 credits)
PUBLIC AND SOCIAL POLICY

LEADERSHIP
J. D. Bowen
Co-Director of the Ph.D. in Public and Social Policy
Ness Sandoval
Co-Director of the Ph.D. in Public and Social Policy

OVERVIEW
Saint Louis University's interdisciplinary graduate public and social policy program serves a vibrant intellectual community committed to academic excellence.

Graduate Offerings
+ Doctor of Philosophy in Public and Social Policy

Faculty
Political Science
J.D. Bowen, Ph.D.
Ellen Carnaghan, Ph.D.
Robert Cropf, Ph.D.
James Gilsinan, Ph.D.

Sociology
Richard Colignon, Ph.D.
Hisako Matsuo, Ph.D., Sociology
Dan Monti, Ph.D., Sociology
Onésimo Sandoval, Ph.D., Sociology

DOCTOR OF PHILOSOPHY IN PUBLIC AND SOCIAL POLICY

Program Highlights
The public and social policy program provides a Catholic, Jesuit education to prepare students to engage with significant social and political problems. The program prepares students to tackle some of the biggest problems of the times, including persistent poverty both in American cities and in poor countries around the world, urban renewal, racial and ethnic inequality, and health disparities.

The Ph.D. in Public and Social Policy prepares students for scholarly and leadership roles in government, universities, research and public service organizations by providing them with multiple disciplinary perspectives, advanced methodological skills, and the ability to conduct original research in an academic or applied setting. Students will learn how quality research can inform both basic and policy-related questions, and they will have the ability to share their knowledge with both academic and nonacademic audiences.

Curriculum Overview
The doctoral degree in public and social policy requires 33 credits of graduate courses above previous master's-level work and 12 credits of dissertation credit.

Students may enroll as part-time or full-time students with most courses offered in the evening to accommodate both the part-time and full-time programs.

There are six concentrations available within doctoral program, each with diverse classes and research opportunities.

Public Administration
Public administration is concerned with how governments are organized, how policies are developed and implemented, and the political reality that citizens encounter daily. This concentration helps students acquire proficiency in management principles and techniques, research and evaluation skills, and the analysis of social, economic and political behavior.

Urban and Community Development Policy
The concentration in urban and community development policy prepares students to address the challenges facing people Western societies and newly developing countries. It focuses on the process of city building and all the economic and political conditions involved in the development of urban areas. This concentration allows students to explore the dimensions of urban and community change and social justice from a diverse set of perspectives, including urban ecology, demography and immigration.

International Development Policy
This concentration addresses the challenges of international development, including persistent poverty, global differences in development, urban growth in the developing world, racial and ethnic inequality, trade and economic development strategies, and political challenges. Students study the development of the state as the dominant form of political organization in the contemporary world and the role it plays in economic development, political competition and international relations.

Health Policy
Students interested in all dimensions of health policy, whether in the United States or internationally, will profit from the health policy concentration. They will explore legislative health policy, health care organization, health economics and health disparities.

Policy and Geospatial Analysis
This concentration prepares students to work with big data and geospatial statistics to address applied social and public policy questions at the local, national and global level. It focuses on three burgeoning areas of knowledge: geographic information science in e-government; accountability, ethics, the law and spatial data; and integrated decision support and spatial science.

Students create spatial data and develop spatial methodologies; interpret advanced spatial statistics; write statistical programs for spatial analysis; create
complex and creative visual analytics; and offer scientific spatial analysis for public policy challenges.

Law, Crime, and Policy
This concentration is designed to produce academic scholars and leaders in public policy and applied settings. It combines leading-edge social science methods with the disciplines of political science, sociology, law and criminology.

Students who choose this concentration gain the knowledge and methodological skills to conduct policy-relevant research. They also have the opportunity to work with agencies to address contemporary issues related to law and crime.

Fieldwork and Research Opportunities
The public and social policy students engage in community-based projects and interact with faculty and each other through a student planning organization, annual one-day retreat and research colloquia.

From the time students enter the public and social policy program, you’ll participate in a research pro-seminar, which meets monthly. Participation is required throughout the time in the program, and credit will be given once the dissertation is defended.

Careers
Graduates from the public and social policy program have gone on to become leaders in the private and public sectors, excelling in such areas as business, commerce, governmental affairs, health and human services, criminal justice and academia.

Admission Requirements
To be admitted into the Ph.D. in public and social policy, applicants must already hold a master's degree in the social sciences or a related professional degree. Other requirements for admission include:

An undergraduate degree from an accredited institution with a GPA of at least 3.2 on a 4.0 scale

An M.A. in a social science or related discipline or a professional degree (M.B.A., M.P.A., J.D., M.S.W., etc.) with a GPA of at least 3.4. (Lower GPAs accepted for law schools where grading is on a forced mean.)

Application Requirements
+ Transcript(s)
+ Three letters of recommendation (at least two of them from faculty in the applicant's master's program)
+ GRE or GMAT or LSAT scores
+ Writing sample
+ Résumé
+ Personal statement of purpose
+ In-person or video interview

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ Paper-based TOEFL (PBT) score of at least 550, an 80 on the computer-based TOEFL (iBT), a 6.5 on the IELTS, and a 4+ on SLU's own Writing Exam.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Jan. 1.

Review Process
Applications are reviewed by a committee of political science department faculty members.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (18 credits)
POLS 6310 Policy Process 3
POLS 6330 Public Finance Theory 3
SOC 5060 Qualitative Research Methods 3
SOC 5650 Introduction to Geographic Information Systems 3
SOC 5850 Policy Evaluation and Assessment 3
SOC 6100 Regression Analysis and Non-linear Models 3

Concentration Elective Courses (15 credits)
PSP 6990 Dissertation Research 12

TOTAL CREDITS: 45

Non-Course Requirements
Other public and social policy program requirements include a written exam after you've completed the seven core courses and an oral dissertation defense.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
SOCIOLOGY AND ANTHROPOLOGY
www.slu.edu/arts-and-sciences/sociology-anthropology

LEADERSHIP
Dr. Richard A. Colignon  
Department Chair
Terry Tomazic Ph.D.  
Graduate Program Director

OVERVIEW
The Department of Sociology and Anthropology offers a variety of courses and concentrations that are directed toward understanding the patterns and processes of social life. The faculty focus on perspectives that illuminate and involve students in issues of social justice. The faculty emphasize cross-cultural approaches that highlight the increasingly diverse and global world.

Undergraduate Offerings
+ Bachelor of Arts in Anthropology
+ Bachelor of Arts in Sociology
+ Bachelor of Science Forensic Science
+ Minor in Anthropology
+ Minor in Computational Geospatial Science
+ Minor in Forensic Science
+ Minor in Sociology

Graduate Offerings
+ Master of Arts in Sociology

Faculty
Elizabeth Chiarello, Ph.D.
Amy Cooper, Ph.D.
Terra Edwards, Ph.D.
Monica Eppinger, J.D.,Ph.D.
Scott Harris, Ph.D.
Joel Jennings, Ph.D.
Ajlina Karamehic-Muratovic, Ph.D.
Kathryn E. Kuhn, Ph.D.
Katherine C MacKinnon, Ph.D.
Hisako Matsuo, Ph.D.
Daniel Monti, Ph.D.
Bruce O'Neill, Ph. D.
Christopher Prener, Ph.D.
J.S. Onésimo Sandoval, Ph.D.
Terry Tomazic, Ph.D.
Mary Vermilion, Ph.D.

BACHELOR OF ARTS IN ANTHROPOLOGY

Program Highlights
Anthropology is the study of humans. The anthropological endeavor involves both the sociocultural and biological aspects of humankind. The study of anthropology requires a holistic approach; it is comprehensive, inclusive and integrates information from many different areas of study through ethnographic, biological, cross-cultural, archaeological and sociological inquiries.

An anthropological perspective — including an examination of the similarities and differences among human groups, cultures and societies both locally and worldwide — emphasizes the concepts of cultural relativism, multicultural perspectives and globalization processes that are vital to many areas of study at Saint Louis University.

By participating in anthropology courses in the department of sociology and anthropology, students will be further prepared to successfully function in and partake of an interconnected world. The major and minor degrees in anthropology are designed to complement any other major at the University.

The anthropology program also supports an active Anthropology Club, and house the Eta Chapter of Lambda Alpha, the National Anthropology Honor Society. Both organizations are engaged in numerous outreach programs at SLU and within the greater St. Louis community.

Curriculum Overview
Key program components include a rigorous social science curriculum focused on the subfields of cultural anthropology, biological anthropology and archaeology; on lab courses that provide a hands-on learning dimension; on practical applied experiences through fieldwork opportunities and independent research projects; and on connections made with the larger community via internships, study abroad opportunities and a senior capstone project.

Students choose an emphasis on one of three subfields of anthropology:
+ Cultural/social anthropology: the study of human cultures in the present or recent past
+ Physical/biological anthropology: the study of humans from a biological and evolutionary perspective
+ Linguistic anthropology: the interdisciplinary study of how language influences social life.
+ Archeology: the study of the ancient and recent human past through excavation, analysis and interpretation of material remains

One characteristic that sets anthropology apart from other fields of study is its holistic approach. It is comprehensive, inclusive and integrates information from many different areas of study through ethnographic, biological, cross-cultural, archaeological and sociological inquiries. By participating in anthropology courses, students will be further prepared to successfully function in and partake of an interconnected world.

Fieldwork and Research Opportunities
Fieldwork takes place within and outside the U.S. This allows students to experience other cultures in a unique, firsthand way and gain a greater appreciation for cultures different from their own. The faculty are pleased to offer SLU students dynamic courses and fieldwork opportunities in the upcoming months and years that will enrich their classroom learning, as well
as their lives.

The Archeology Lab provides an excellent workspace for students to explore and contribute to the science of archeology. Each semester, the lab provides hands-on opportunities for students to explore prehistoric and historic lithics, ceramics and other materials and to develop student-initiated research projects.

The Urban Lab makes the city of St. Louis a classroom. Through coursework, internships and field schools, you’ll have the chance to conduct original research on urban culture, inequality and development.

Careers
SLU's anthropology graduates are prepared to successfully function in an interconnected world. The major and minor degrees in anthropology are designed to complement any other major. Alumni of the anthropology program have the following careers:

- Archaeological technician
- Corporate anthropologist / market research
- The Foreign Services
- Preservation assistant
- Documentary filmmaker
- International development
- Mission organizer

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory coursework is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

- Scholarships: awarded based on academic achievement, service, leadership and financial need.
- Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (22 credits)

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<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>ANTH 1200</td>
<td>Introduction to Anthropology</td>
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<tr>
<td>ANTH 2200</td>
<td>Cultural Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 2210</td>
<td>Biological Anthropology + Lab</td>
<td>4</td>
</tr>
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<td>ANTH 2240</td>
<td>Archaeology</td>
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<tr>
<td>ANTH 3200</td>
<td>Contemporary Anthropological Theory</td>
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</tr>
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<td>ANTH 4870</td>
<td>Senior Project/Capstone in Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SOC 2000</td>
<td>Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

Electives* (15 credits)

- At least 12 credits must be taken at the 3000 or 4000 level.

No more than one elective may double-count for another, separate major or minor within the department.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANTH 3210</td>
<td>Science and Pseudoscience</td>
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</tr>
<tr>
<td>ANTH 3240</td>
<td>Anthropology of Sex and Gender</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3260</td>
<td>Peace and Conflict</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3270</td>
<td>Environmental Anthropology</td>
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</tr>
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<td>ANTH 3280</td>
<td>Forensic Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 3290</td>
<td>Native Peoples of North America</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4240</td>
<td>Primate Social Behavior</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4530</td>
<td>Urban Ethnography: Cities in a Global Perspective</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4540</td>
<td>Environmental Impact of the City</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 4710</td>
<td>Archaeology Field School</td>
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</tr>
<tr>
<td>ANTH 4720</td>
<td>Archaeology Lab Methods</td>
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</tr>
<tr>
<td>FRSC 2800</td>
<td>Survey of Forensic Science</td>
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<tr>
<td>SOC 1180</td>
<td>World Geography</td>
<td>3</td>
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<tr>
<td>SOC 2300</td>
<td>American Pop Culture</td>
<td>3</td>
</tr>
<tr>
<td>SOC 3010</td>
<td>Quantitative Research Methods</td>
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</tr>
<tr>
<td>SOC 3020</td>
<td>Qualitative Analysis</td>
<td>3</td>
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<tr>
<td>SOC 3230</td>
<td>Gender and Society</td>
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<tr>
<td>SOC 3390</td>
<td>Racial and Ethnic Relations</td>
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</tr>
<tr>
<td>SOC 3430</td>
<td>Marriage and the Family</td>
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<td>SOC 3500</td>
<td>Social Inequality</td>
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<td>SOC 4800</td>
<td>Research Activity</td>
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<tr>
<td>SOC 4830</td>
<td>Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>SOC 4880</td>
<td>Advanced Independent Study</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 37

Continuation Standards
Students with a major in Anthropology must maintain a 2.0 GPA in courses for the Anthropology major.

Bachelor of Arts in Sociology

Program Highlights
Sociology is the scientific study of human groups and their characteristics, changes, causes and consequences. Through teaching, research and
Fieldwork and Research Opportunities

The department has many connections with social agencies throughout the St. Louis metropolitan area. Fieldwork practicums are available for sociology majors, including working at neighborhood centers in St. Louis or performing social research projects. Fieldwork practicums also provide an opportunity for students to be involved in agencies and organizations. Students meet with the department internship director for assistance in applying to any of the numerous local employment opportunities in St. Louis.

St. Louis boasts an excellent research laboratory for how social behavior is determined by social structure and physical environment, how community is a major factor in shaping human behavior, and how humans adapt to their community. The sociology major provides a strong background in social science education that combines theory and empirical methods of analysis with an emphasis on social inequality and institutions. Students' learning experiences may be enhanced through practical fieldwork experiences with St. Louis nonprofit organizations and governmental agencies.

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For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Introduction Requirement (3 credits)
SOC 1100 Introduction to Sociology

Required Courses (6 credits)
SOC 2000 Research Methods
SOC 3100 Sociological Theory

Research Requirements (3 credits)
SOC 3010 Quantitative Research Methods
SOC 3020 Qualitative Research Methods

Senior Experience (3 credits)
SOC 4840 Sociology Capstone
SOC 4990 Departmental Honors Thesis

Elective Courses (15 credits)

anth 2200 Cultural Anthropology
anth 2210 Biological Anthropology w/Lab
anth 2480 Global Mental Health
anth 3240 Anthropology of Sex and Gender
anth 3270 Environmental Anthropology
SOC 1180 World Geography
SOC 1180 Cultural Geography
SOC 1500 The Urban Community
SOC 2110 Sociology of Sport
SOC 2180 Cities and Space
SOC 2360 Diversity and Health Disparities
SOC 2480 Drugs and Society
SOC 2490 Sociology of Medicine
SOC 2500 Social Ecology
SOC 3100 Immigration
SOC 3220 Urban Sociology
SOC 3250 Gender and Society
SOC 3330 Corporate and Elite Deviance
SOC 3350 Social Movements
SOC 3360 Racial and Ethnic Relations
SOC 3380 Political Sociology
SOC 3430 Marriage and the Family
SOC 3480 Sociology of Mental Health
SOC 3510 The Structure of Poverty
SOC 3525 Elite and White Collar Deviance
SOC 3575 Sociological Theories of Crime
SOC 3380 Deviant Behavior
SOC 3500 Law and Society
SOC 3640 African American Religious Traditions
SOC 4050 Feminist Movements
SOC 4180 Citizenship
SOC 4200 Cities, Suburbs, and Neighborhoods
SOC 4250 Sociology of Urbanization
SOC 4830 Sociology of Religion
SOC 4840 Demography
SOC 4650 Introduction to GIS
SOC 4880 Intermediate GIS
SOC 4670 Spatial Demography
SOC 4880 Forensic GIS
SOC 4700 Applied Spatial Analysis
SOC 4880 Research Activity
SOC 4880 Independent Study

TOTAL CREDITS: 30

Gender, Sexuality, and the Body Concentration

Elective Courses (12 credits)
anth 3240 Anthropology of Sex and Gender
SOC 2110 Sociology of Sports
SOC 3230 Gender and Society
SOC 3430 Marriage and the Family
SOC 3510 The Structure of Poverty
SOC 4050 Feminist Movements

Health and Medicine Concentration

Elective Courses (12 credits)
SOC 2480 Drugs and Society
SOC 2480 Sociology of Medicine
SOC 3490 Sociology of Mental Health
SOC 4840 Demography

Law, Crime, and Deviance Concentration

Elective Courses (12 credits)
SOC 2480 Drugs and Society
SOC 3220 Urban Sociology
SOC 3330 Corporate and Elite Deviance
SOC 3570 Sociological Theories of Crime
SOC 3580 Deviant Behavior
SOC 3590 Law and Society
SOC 4880 Forensic GIS

Urbanization, Immigration, and Demography Concentration

Elective Courses (12 credits)
ANTH 2210 Biological Anthropology + Lab
ANTH 2480 Global Mental Health
ANTH 3270 Environmental Anthropology
SOC 1120 Introduction to Sociology: Diversity and Health
SOC 2480 Drugs and Society
SOC 2480 Sociology of Medicine
SOC 3490 Sociology of Mental Health
SOC 4840 Demography

Continuation Standards

Students must have a GPA of 2.0 in Sociology major coursework to be retained in the major.

Bachelor of Science in Forensic Science

Program Highlights

Forensic science is the scientific method of gathering and analyzing evidence. Forensic science is an
interdisciplinary field that employs the methods, tools and perspectives of biology, chemistry, anthropology, sociology, physics, mathematics and medicine to better understand the intersection of law and science.

Forensic science has gained recent media attention in its application to civil and criminal law. However, the field is much broader and includes the application of forensic science to accidents, natural and man-made disasters, historical/archaeological evaluations of death and life style to more contemporary establishment of death for criminal or civil purposes.

The forensic science major follows the guidelines for accreditation standards of American Academy of Forensic Sciences. The major in this fascinating and quickly developing scientific field enables students to compete with the most accomplished and well-educated students in prestigious universities on a national and global level. Upon completing the major in forensic science, students find themselves not only well versed in scientific methodology but also prepared to dedicate their understanding of law and science across most industries to the service of others.

Forensic science is an appropriate major for all students who want to pursue graduate studies or professional work in any scientific or professional field. Completion of the major places students in a position to address the scientific basis of civil and criminal law through further legal studies or research.

Curriculum Overview
Forensic science is an interdisciplinary field that employs the methods, tools and perspectives of biology, chemistry, anthropology, sociology, physics, mathematics and medicine to better understand the intersection of law and science.

Fieldwork and Research Opportunities
The department has connections with forensic science laboratories in the St. Louis metropolitan area. Fieldwork practicums are required for forensic science majors, including working at an operating forensic science lab and performing the forensic research projects in those labs.

Fieldwork practicums also provide an opportunity for students to be involved in the laboratories, law enforcement agencies and legal and medical organizations in the area. Students meet with the department internship director for assistance in applying to any of the local, regional, national and even international employment opportunities.

The Forensic Science Laboratory is a 1,000-square-foot teaching and research lab with the latest hardware, software and safety equipment, as well as materials used in the application of forensic anthropological techniques. Each spring, the lab hosts a crime scene investigation course. The program also hosts a Forensic Science Club that offers forensic-related activities and exploration.

Careers
Recent graduates who majored in forensic science at SLU work in a variety of fields, including medical examination and research. Alumni have also gone to top graduate programs in the country in the areas of forensic science, forensic anthropology, pathology, law and health service.

Admission Requirements
Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
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Scholarships and Financial Aid
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Program Requirements

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<thead>
<tr>
<th>Requirement</th>
<th>Course Code</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Biology Requirement</td>
<td>BIOL 1040</td>
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<tr>
<td>Chemistry Requirement</td>
<td>CHEM 1110</td>
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<tr>
<td></td>
<td>CHEM 1115</td>
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<table>
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<tr>
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<th>Credits</th>
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<tr>
<td>BIOl 1080</td>
<td>Principles of Biology II w/ Lab</td>
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<tr>
<td>CHEM 1110</td>
<td>Introduction to Chemistry I</td>
<td>3</td>
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<tr>
<td>CHEM 1115</td>
<td>Introduction to Chemistry I Lab</td>
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</table>
MINOR IN ANTHROPOLOGY

Program Requirements

Required Courses (13 credits)
ANTH 2200 Introduction to Anthropology 3
ANTH 2200 Cultural Anthropology 3
ANTH 2210 Biological Anthropology 3
ANTH 3200 Contemporary Anthropological Theory 3

Elective Courses (9 credits)
ANTH 3210 Science and Pseudoscience 3
ANTH 3240 Anthropology of Sex and Gender 3
ANTH 3260 Peace and Conflict 3
ANTH 3270 Environmental Anthropology 3
ANTH 3280 Forensic Anthropology 3
ANTH 3280 Native Peoples of North America 3
ANTH 4240 Primate Social Behavior 3
ANTH 4530 Urban Ethnography: Cities in a Global Perspective 3
ANTH 4540 Environmental Impact of the City 3
ANTH 4710 Archaeology Field School 3

MINOR IN COMPUTATIONAL GEOSPATIAL SCIENCE

Program Requirements

Required Courses (9 credits)
SOC 4650 Introduction to GIS 3
SOC 4660 Intermediate GIS 3
SOC 4670 Spatial Demography 3

Elective Courses (6 credits)
SOC 4670 Spatial Demography 3
SOC 4680 Forensic GIS 3
SOC 4700 Applied Spatial Analysis 3

TOTAL CREDITS: 22

Continuation Standards
Students with a minor in Computational Geospatial Science must maintain a 2.0 GPA in courses for the Anthropology minor.

MINOR IN FORENSIC SCIENCE

Program Requirements

Required (20 credits)
FRSC 2600 Survey of Forensic Science 3
FRSC 3280 Forensic Biology with Lab 4
FRSC 4550 Crime Scene Investigation with Lab 4
FRSC 4610 Death Investigation 3

Elective Courses (6 credits)
ANTH 2210 Biological Anthropology with lab 3
ANTH 2240 Archaeology 3
ANTH 3280 Forensic Anthropology 3
SOC 3010 Law and Society 3
SOC 4930 Special Topics 3
SOC 4980 Advanced Independent Study 3

TOTAL CREDITS: 26

Continuation Standards
Students with a minor in Forensic Science must maintain a 2.0 GPA in their minor coursework.
MINOR IN SOCIOLOGY

Program Requirements

Introduction Requirement (3 credits)
SOC 1100 Introduction to Sociology 3
SOC 1110 Introduction to Sociology: Diversity 3
SOC 1120 Intro to Sociology: Diversity &Health 3

Required Courses (6 credits)
SOC 2000 Research Methods 3
SOC 3100 Sociological Theory 3

Elective Courses (12 credits)
ANTH 1180 Cultural Geography 3
ANTH 2200 Cultural Anthropology 3
ANTH 3270 Environmental Anthropology 3
SOC 1160 World Geography 3
SOC 1500 The Urban Community 3
SOC 2110 Sociology of Sports 3
SOC 2220 Peace and Conflict Studies 3
SOC 2300 American Pop Culture 3
SOC 2480 Sociology of Medicine 3
SOC 2500 Social Ecology 3
SOC 3180 Immigration 3
SOC 3220 Urban Sociology 3
SOC 3230 Gender and Society 3
SOC 3380 Racial and Ethnic Relations 3
SOC 3300 Social Psychology 3
SOC 3350 Social Movements 3
SOC 3380 Political Sociology 3
SOC 3420 Organizations: Theory and Practice 3
SOC 3490 Marriage and the Family 3
SOC 3480 Sociology of Mental Health 3
SOC 3500 Social Inequality 3
SOC 3510 The Structure of Poverty 3
SOC 3580 Deviant Behavior 3
SOC 3590 Law and Society 3
SOC 3840 African American Religious Traditions 3
SOC 4000 Sociology Practicum 3
SOC 4050 Feminist Movements 3
SOC 4200 Urban Ecology 3
SOC 4830 Sociology of Religion 3
SOC 4840 Demography 3
SOC 4800 Research Activity 3
SOC 4980 Independent Study 3

TOTAL CREDITS: 21

Continuation Standards
Students must have a GPA of 2.0 in Sociology minor coursework to be retained in the minor.

ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
The Accelerated Bachelor's/Master's Program (ABM) offers the opportunity for outstanding Sociology majors to begin an M.A. program in their senior year, completing the M.A. with a full time fifth year of graduate study after their successful completion of both the first year requirements and their undergraduate degree and major.

Program Requirements
The Sociology major, like most humanities majors, requires thirty credits of coursework, and the M.A. a further thirty. By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

Continuation Standards
Students who pursue a major in Sociology must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's minor GPA drops below 2.00, the student will be placed on academic program probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the minor.

MASTER OF ARTS IN SOCIOLOGY

Program Highlights
The department of sociology and anthropology offers a Master of Arts with a concentration in Public Sociology. The program provides students with the analytic and administrative skills to advance in leadership positions in the public, private and government sectors. The program is distinctive in its blend of academic and practical skills.

Combining outstanding scholarship and practical experience, faculty members are engaged in cutting-edge research and bring this expertise to the classroom to enrich the educational experience of students. Courses are taught by interdisciplinary faculty from sociology and public policy who integrate the theory, practical experience and empirical skills needed in 21st-century organizations.

Curriculum Overview
The M.A. degree requires a total of 33 credits of graduate study with a minimum of 27 credits of coursework. The M.A. can be completed either through thesis or non-thesis tracks. The thesis track includes up to six thesis credits while the non-thesis track includes six additional credits of coursework.

Fieldwork and Research Opportunities
Through teaching, research and service, sociology students examine different ways people relate to one another through the organization of society and how it influences lives. The M.A. degree in sociology and anthropology trains students to identify and document insights into these social processes and structures in their careers. Students explore large- and small-scale organizations, families, beliefs and social classes with opportunities for hands-on experience in the St. Louis area.

Careers
Graduates might pursue a career as a market research analyst, nonprofit administrator, policy analyst or managerial and policy positions such as program evaluator, researcher, program director or policy maker. The Bureau of Labor listed the 2014 median annual salary for market research analysts as $61,290, and employment of market research analysts is projected to increase by 18 percent by 2024.
Admission Requirements
Successful applicants possess 3.0 or higher GPA, sufficient GRE scores and sufficient TOEFL scores (for international applicants).

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Review Process
Applications are reviewed by the admissions committee.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (12 credits)
SOC 6320 Organizational Theory and Behavior 3
SOC 6500 Quantitative I: Applied Inferential Statistics 3
SOC 6100 Pro-seminar 3
SOC 6800 General Research Methodology 3

Elective Courses (15 credits)
SOC 5200 Urbanization 3
SOC 5250 Urban Ecology: Neighborhood 3
SOC 5500 Social Inequality 3
SOC 5610 Constructing Social Problems 3
SOC 5520 Sociological Social Psychology 3
SOC 5530 Urban Ethnography 3
SOC 5540 Environmental Impact of the City 3
SOC 5550 Comparative Theories of Race & Ethnic Relations 3
SOC 5590 Law and Society 3
SOC 5610 Death Investigation 3
SOC 5640 Demography Methods: Measuring and Modeling 3
SOC 5650 Introduction to GIS 3
SOC 5660 Intermediate GIS 3
SOC 5670 Spatial Demography 3
SOC 5680 Spatial Analytics of Injustice: Crime and Deviance 3
SOC 5700 Applied Spatial Analysis 3
SOC 5750 Intermediate Qualitative Research 3
SOC 5800 Survey Design and Sampling 3
SOC 5850 Program Evaluation and Assessment 3
SOC 5890 Reading Statistics in Research 3

SOC 6100 Regression Analysis and Non-linear Models 3
SOC 6200 Nonparametric Statistical Analysis 3
SOC 6500 Confirmatory Factor Analysis 3

Thesis Option (6 credits)
SOC 5990 Thesis Research 6

Non-Thesis Option (6 credits)
Chosen from course listing above

TOTAL CREDITS: 33

Non-Course Requirements
Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

MASTER OF ARTS IN SOCIOLOGY & JURIS DOCTOR DUAL DEGREE

Overview
The School of Law and the Department of Sociology and Anthropology offer a dual degree program (J.D./M.A.). This specialized program combined the J.D. and M.A. degrees, broadly focusing on the relationship between law and society. The dual degree capitalizes on the advantages of legal training and social science research expertise. Graduates of the J.D./M.A. program are in demand in jobs requiring skill in gathering and analyzing information, interpreting legal issues and implementing administrative policy.

Students may earn both degrees in roughly four years, instead of the typical five years. The savings in time and tuition are considerable. Participants must meet the admission requirements for the Master's degree in Sociology as well as the admission requirements for the J.D. degree.

There are several practical objectives to this dual degree program. Graduates of this program enjoy an increased number of the job opportunities in federal and state law enforcement, corrections and judicial positions. Graduate gain additional competitive advantages in a broad range of job possibilities over graduate with only one of the degrees. Further, graduates find their education useful as social entrepreneurs applying their legal, administrative and research knowledge in policy areas from mental health, economic development, and environmental sustainability to issues of civil rights, immigration, international human rights, and employment discrimination. Moreover, this program attracts highly qualified students from outside the region as this is one of the only J.D./M.A. programs of its kind between the middle of the country.

Program Requirements
Students must complete the basic first-year requirements for the School of Law before beginning their studies in the M.A. program. Thereafter, students attend classes in both the School of Law and Department of Sociology and Anthropology. Students
complete a total of 106 credits of academic work, including a summer internship, in order to complete the J.D./M.A. (82 credits in the School of Law and 24 credits in the Department of Sociology and Anthropology. Of the 91 credit required for the J.D. degree, 9 credits are satisfied by Sociology and Anthropology courses and 9 credit of Law School courses are accepted toward the 33 credits required for the Master's degree.

Continuation Standards
Students must have a GPA of 2.0 in Sociology minor coursework to be retained in the minor.

GRADUATE MINOR IN RESEARCH METHODOLOGY

Overview
A formal University-wide, minor in Research Methodology is offered and administered through the Department of Sociology and Anthropology. The minor is designed to provide students with a background in advanced analysis and methods. This minor is open to all students and can be tailored to meet students' own disciplinary program needs. Elements of the minor are developed by consensus between students, their advisor/mentor and the Graduate Director in the Department of Sociology & Anthropology. Essentially the minor consists of (with Prerequisites) five courses: a basic, quantitative statistics/analysis course; two advanced quantitative analysis courses; and two advanced research methodology courses. A listing of the courses offered across the University that will fulfill the requirements can be found on the Graduate Education website. Students may petition for the inclusion of additional courses by submitting a copy of the syllabus for such courses. Upon approval, these courses can also be included in the minor. As per Graduate Education policy, at least 80% of the courses included in the minor must be taken at Saint Louis University and all courses must be graded courses (i.e. no pass/fail or satisfactory/unsatisfactory coursework will be accepted)

To be admitted, students must be admitted to a degree-seeking program at Saint Louis University. For a minor, students must first make an application through the Department of Sociology and Anthropology. Then, in consultation with the department's Graduate Director and their advisor/mentor, the minor is developed by determining selections from the three clusters of courses: basic quantitative analysis; advanced methodological design; and advanced statistics/analysis. Once all academic plan forms are signed and courses completed, a petition to amend the minor field is submitted to the Associate Graduate Dean/Director of the college, school, or center appropriate for students, who will sign and file the form with the Registrar. Upon completion, it will be noted as a "Minor in Research Methodology" on the academic transcript.

Students are encouraged to discuss the possibilities of

Program Requirements
The research methodology minor is administered through the College of Arts and Sciences. It is composed of at least 15 credits that include a basic statistical analysis course, two courses in advanced analysis and two courses in advanced methodology.

Courses that fulfill these categories come from a wide variety of departments across the University.

Cluster I: Core course. All students must take an introductory inferential statistics course.

Cluster II: Advanced statistics/analysis courses. A student would select at least two courses from this cluster.

Cluster III: Advanced methodology and design courses. A student would select at least two courses from this cluster.

While 15 credits are required, students may take more courses and get credit for them. In order for the minor to be listed on an official University transcript, students must complete the Petition to Amend.

Continuation Standards
Students must have a GPA of 2.0 in Sociology minor coursework to be retained in the minor.
THEOLOGICAL STUDIES
www.slu.edu/arts-and-sciences/theological-studies

LEADERSHIP
Peter W. Martens, Ph.D.
Department Chair
Mary Dunn, Ph.D.
Director of Graduate Studies

OVERVIEW
The Saint Louis University Department of Theological Studies is a community of scholars dedicated to the study of theology in the Catholic, Jesuit tradition.

The department furthers SLU's mission through research and teaching on a variety of religions across the globe, and especially on the biblical, historical, systematic, ethical and spiritual dimensions of the Catholic tradition.

The faculty are open to sharing and learning with people of all faiths and none in the pursuit of truth for the greater glory of God and the service of humanity.

Undergraduate Offerings
+ Bachelor of Arts in Theological Studies
+ Minor in Theological Studies

Graduate Offerings
+ Master of Arts in Theological Studies
+ Doctor of Philosophy in Historical Theology

Faculty
Elizabeth Sweeney Block, Ph.D.
Christopher S. Collins, S.J., Th.D.
Emily Dumler-Winckler, Ph.D.
Mary Corley Dunn, Ph.D.
Daniel J. Finucane, Ph.D.
Jay M. Hammond III, Ph.D.
J. A. Wayne Hellmann, Dr. Theol.
Grant A. Kaplan, Ph.D.
Atria Larson, Ph.D.
Pauline Lee, Ph.D.
Michael J. McClymond, Ph.D.
Leonard Cornell McKinnis, Ph.D.
David Oughton, Ph.D.
James A. Redfield, Ph.D.
G. John Renard, Ph.D.
Rubén Rosario Rodríguez, Ph.D.
Randall S. Rosenberg, Ph.D.
Julie Hanlon Rubio, Ph.D.
Brian Sholl, Ph.D.
Daniel L. Smith, Ph.D.
Jeffrey T. Wiekos, Ph.D.
Tobias L. Winright, Ph.D.

BACHELOR OF ARTS IN THEOLOGICAL STUDIES

Program Highlights
Theology is about God and the ways in which humans have lived, and continue to live, with God. It is thus concerned with the most basic questions of life. The department of theological studies trains students in a variety of sources and methods to help them evaluate and appreciate the most vital aspects of religious experience and thought. The department enters into this investigation from an academic perspective with the aim of helping students clarify their own understanding. The Catholic tradition is central to the work of the department, but Catholicism is studied in the context of the whole Christian tradition and in relationship to all of the world's religious traditions.

Additional program highlights include:
+ The SLU theology program allows students to explore major questions about life and God while studying with top scholars in the field.
+ Students explore deep, theological issues in a welcoming environment that is both rooted in the Catholic tradition and open to all viewpoints.
+ Students develop their writing, research and critical thinking skills in preparation for graduate study and careers in various disciplines such as theology, law, social work, philosophy and many others.

Curriculum Overview
The major in theological studies consists of 30 credits after completion of the introductory Theological Foundations course. Students are required to take one Old Testament course, one New Testament course, at least one course in two of the sub-disciplines within theological studies listed below, four electives and two capstone seminars. Sub-disciplines within the department include:
+ Theology and history
+ Faith and reason
+ Christian morality and society
+ Non-Christian religious traditions

The introductory course, Theological Foundations, introduces students to the God of revelation within the Judeo-Christian tradition and to the understanding of its implications for living a human life, respecting creation and pursuing beauty and truth. This is done within an ecumenical and global context, examining other world religions and various social realities. Subsequent courses focus on an aspect of Christian or other religious traditions and address social and moral issues.

Following the introductory Theological Foundations course, the department offers undergraduate courses in the 2000-4000 level in Scripture, both Hebrew and Christian; the history of Christianity from its origins through today; constructive theology which examines central themes and pressing issues in Christianity, theological ethics, which studies diverse Christian practices; world religions/comparative theology, which explores non-Christian faiths by either comparing or contrasting them with Christianity (e.g., Islam and Christianity) or by studying them individually (e.g., world religions); and spirituality, which examines the various expressions of Christian discipleship (e.g., Ignatian spirituality).
The two-semester capstone cohort (THEO 4960 and 4965) challenges students to examine a central issue in theology and/or religious studies. This capstone experience includes the development of a major research project and culminates in a public scholarly presentation:

**Fieldwork and Research Opportunities**

The Theology Club at Saint Louis University provides an opportunity for students and faculty to come together in an informal, social setting. The club holds regular discussions, sponsors lectures, and helps plan an annual undergraduate conference. The department publishes a monthly newsletter, the Ignatian Herald, which keeps interested students informed about campus events. The department also sponsors two annual lectureships, the Bellarmine and De Lubac Lectures, in which world-class scholars share their ongoing research with faculty, students and the wider university community.

Faculty members and academic advisors/mentors assist students in finding internships in the St. Louis area or in their hometowns that will utilize the knowledge obtained from the theology curriculum and enhance the students’ skill sets.

**Careers**

Those who wish to remain in the field of theology after graduation may teach on the elementary and secondary levels or serve as religious education coordinators in a parish and pastoral associates in schools or parishes. Many students see the theology major as good preparation for graduate studies. Graduate studies in theology prepare students for a variety of careers in ministry, teaching at the college or university levels and entering many other careers. Some students choose to complete a double major in order to diversify their opportunities for employment. Studies in theology enhance careers in journalism, social work, medicine, law or politics.

**Admission Requirements**

**Freshman**

All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant’s file. College admission test scores (ACT or SAT) are used as an additional indicator of the student’s ability to meet the University’s academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

**Transfer**

Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s).

In reviewing a transfer applicant’s file, the office of admission holistically examines the student’s academic performance in college-level coursework as an indicator of the student’s ability to meet the academic rigors of Saint Louis University.

**Scholarships and Financial Aid**

There are two principal ways to help finance a Saint Louis University education:

+ **Scholarships**: awarded based on academic achievement, service, leadership and financial need.
+ **Financial Aid**: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finaid.slu.edu.

**Program Requirements**

A single course cannot be used to fill more than one requirement.

**Foundations Requirement (3 credits)**

THEO 1000 Theological Foundations 3

**Scripture Requirement (6 credits)**

THEO 2110 Old Testament 3

One course with a New Testament attribute OR

THEO 2210 New Testament 3

One course with an Old Testament attribute 3

**Area Elective Courses (6 credits)**

2 courses from 2 of the following subject areas:

<table>
<thead>
<tr>
<th>Ethics &amp; Society</th>
<th>Faith &amp; Reason</th>
<th>Religions of the World</th>
<th>Theology &amp; History</th>
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**General Elective Courses (12 credits)**

4 courses from any one or combination of the following subject areas:

<table>
<thead>
<tr>
<th>Ethics &amp; Society</th>
<th>Faith &amp; Reason</th>
<th>Sacred Scriptures</th>
<th>Religions of the World</th>
<th>Theology &amp; History</th>
</tr>
</thead>
<tbody>
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</table>

**Capstone (6 credits)**

THEO 4960 Capstone Seminar I 3

THEO 4965 Capstone Seminar II 3

**TOTAL CREDITS: 33**

**Sacred Scriptures Courses, such as:**

<table>
<thead>
<tr>
<th>THEO 2110 Old Testament</th>
<th>THEO 2210 New Testament</th>
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</thead>
<tbody>
<tr>
<td>3</td>
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</tbody>
</table>
Faith & Reason Courses, such as:
- THEO 2410 Making Christianity Credible
- THEO 2415 The Church: Yesterday & Today
- THEO 2430 Jesus and Salvation
- THEO 2515 Social Justice
- THEO 2520 Comparative Religious Ethics
- THEO 2525 Theological Bioethics: Medicine & Morality
- THEO 2610 Faith and Politics
- THEO 2615 Poverty, Wealth & Justice
- THEO 2625 Green Discipleship: Theology and Ecology
- THEO 2635 Sex, Gender and Christian Ethics
- THEO 2660 Past Human Future? Ethics of Technology
- THEO 4510 War and Peace in the Christian Tradition
- THEO 4525 Freedom of Conscience
- THEO 4560 Seminar in Christian Ethics
- THEO 4810 Nicaragua: Theology and Culture

Ethics & Society Courses, such as:
- THEO 2610 Christian Ethics
- THEO 2615 Social Justice
- THEO 2810 Religious Ethics
- THEO 2825 Theological Bioethics: Medicine & Morality
- THEO 2830 Women and God: Feminist Theology
- THEO 3815 Christian Iconography
- THEO 3820 Women and God: Feminist Theology
- THEO 3850 Marriage and Christian Vocation
- THEO 3850 Special Topics
- THEO 4410 Theological Outsiders: Kierkegaard, Nietzsche, and Dostoevsky
- THEO 4490 Seminar in Constructive Theology

Religions of the World Courses, such as:
- THEO 2775 Jerusalem: Three Faiths, One City
- THEO 2780 Islam: Religion and Culture
- THEO 3710 Arts of Hinduism and Buddhism
- THEO 3715 Saints and Friends of God: Religious Genius in Islam and Christianity
- THEO 3720 Intuition, Spontaneity, and Flow: Daoism in Comparative Context
- THEO 3725 Sufism: Islam’s Mystical Tradition
- THEO 3730 Jewish Life and Thought
- THEO 3740 Religions of Asia
- THEO 4710 Islam and the Christian Theologian
- THEO 4790 Seminar in World Religions

Continuation Standards
A student must maintain a 2.0 GPA in Theology minor coursework.

ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
The Accelerated Bachelor's/Master's Program (ABM) offers the opportunity for outstanding Theological Studies majors to begin an M.A. program in their senior year, completing the M.A. with a full time fifth year of graduate study after their successful completion of both the first year requirements and their undergraduate degree and major.

Program Requirements
Theological Studies majors, like most humanities majors, requires thirty credits of coursework, and the M.A. a further thirty. By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

Continuation Standards
Students who pursue a major in Theological Studies must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's minor GPA drops below 2.00, the student will be placed on academic program probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the minor.

MASTER OF ARTS IN THEOLOGICAL STUDIES

Program Highlights
The M.A. in Theology brings together two, complementary poles of theological reflection: retrieval and appropriation. The program at once equips students with the methodological and conceptual tools necessary for understanding classic theological texts within their historical, cultural, and ecclesial contexts and at the same time encourages students to bring these texts into critical conversation with the contemporary world, giving students the opportunities and skills necessary to engage in the project of theological reflection.

Curriculum Overview
The Master of Arts program offers two tracks: religious education and research.

Religious Education Concentration
Students seeking careers in schools, parishes, hospitals, nonprofit organizations or other religious institutions should choose the religious education concentration.

The religious education concentration consists of a two-
year program of study that includes 33 credits of coursework (including 200 credits of supervised internship) and comprehensive exams.

**Research Concentrations**

Students desiring to continue in doctoral work should choose one of the research concentrations.

The research track consists of a two-year program of study that includes 36 credits of coursework and a 50-70 page thesis, and students must demonstrate proficiency in one or two foreign languages. Students in the research track may choose to concentrate in constructive theology, historical theology or theological ethics.

**Fieldwork and Research Opportunities**

Resources for theology students at SLU include the more than 37,000 microfilms of the Vatican Film Library, the archives of the Institute of Jesuit Sources and more than 150,000 volumes of the Divinity Library in the Pius XII Memorial Library (which contains 1.4 million books, journals and other media). The library also provides access to many key research resources, including the Patrologia Latina, Brepolis, Early English Books OnLine, ATLA, Catholic Periodical Index, J-STOR, Index of Christian Art, as well as electronic access to major journals and other indexing tools.

The Center for Digital Theology creates products and tools to support teaching and research in historical theology. Theology faculty and graduate students also contribute to other interdisciplinary centers, such as the Center for Medieval and Renaissance Studies and the Center for Women's Studies.

**Careers**

Graduates have gone on to a wide range of careers in academia, educational administration, museums, libraries, archives, and non-profit agencies. SLU's Department of Theological Studies is committed to the professional preparation of every graduate student.

**Admission Requirements**

An undergraduate major in theology or religious studies is recommended but not required. Applicants with a strong background (at least 18 credits of upper-level coursework) in theology or religious studies will also be considered.

**Application Requirements**

+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE scores
+ Résumé
+ Interview
+ Professional goal statement

**Requirements for International Students**

+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements.

Students may also visit the international prospects, applicants and students page for more information about international application requirements.

**Application Deadline**

Interested students should apply by January 1.

**Review Process**

Applications are reviewed by the department's Graduate Studies Committee.

**Scholarships and Financial Aid**

Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

**Constructive Theology Concentration Requirements**

**Required Courses (21 credits)**

| THEO 5400 Resources & Methods in Theology | 3  |
| THEO 54xx/55xx Systematic Theology | 9  |
| THEO 56xx Theological Ethics | 3  |
| THEO 52xx Historical Theology | 3  |
| THEO 50xx/51xx Scripture | 3  |

**Elective Courses (9 credits)**

| Thesis Research (6 credits) | THEO 5990 Thesis Research | 6  |

**TOTAL CREDITS: 36**

**Historical Theology Concentration**

**Required Courses (24 credits)**

| THEO 5400 Resources & Methods in Theology | 3  |
| THEO 5200 Introduction to Historical Method | 3  |
| THEO 52xx Historical Theology | 3  |
| THEO 56xx Theological Ethics | 3  |
| THEO 54xx/55xx Systematic Theology | 3  |
| THEO 50xx/51xx Scripture | 3  |

**Elective Courses (6 credits)**

| Thesis Research (6 credits) | THEO 5990 Thesis Research | 6  |

**TOTAL CREDITS: 36**

**Theological Ethics Concentration Requirements**

**Required Courses (21 credits)**

| THEO 5400 Resources & Methods in Theology | 3  |
| THEO 56xx Theological Ethics | 9  |
| THEO 54xx/55xx Systematic Theology | 3  |
| THEO 52xx Historical Theology | 3  |
| THEO 50xx/51xx Scripture | 3  |

**Elective Courses (9 credits)**

| Thesis Research (6 credits) | THEO 5990 Thesis Research | 6  |

**TOTAL CREDITS: 36**

**Religious Education Concentration**

**Required Courses (27 credits)**

| THEO 5400 Resources & Methods in Theology | 3  |
| THEO 5150 Biblical Interpretation Study | 3  |
| THEO 5810 Ignatian Spirituality & Pedagogy | 3  |
| THEO 5911 Internship Preparation | 0  |
Christian theology from the early church to the present day. The doctoral program has three areas of specialization: early Christianity, medieval Christianity and modern Christianity.

Fieldwork and Research Opportunities
Resources for theology students at SLU include the more than 37,000 microfilms of the Vatican Film Library, the archives of the Institute of Jesuit Sources and more than 150,000 volumes of the Divinity Library in the Pius XII Memorial Library (which contains 1.4 million books, journals and other media). The library also provides access to many key research resources, including the Patrologia Latina, Brepols, Early English Books OnLine, ATLA, Catholic Periodical Index, J-STOR, Index of Christian Art, as well as electronic access to major journals and other indexing tools. The Center for Digital Theology creates products and tools to support teaching and research in historical theology. Theology faculty and graduate students also contribute to other interdisciplinary centers, such as the Center for Medieval and Renaissance Studies and the Center for Women's Studies.

Careers
Graduates have gone on to a wide range of careers in academia, educational administration, museums, libraries, archives, and non-profit agencies. SLU's Department of Theological Studies is committed to the professional preparation of every graduate student.

Admission Requirements
An M.A. degree in Historical Theology or the equivalent is required for admission. Applicants must also have 9 credits of upper-level philosophy courses, 9 credits of upper-level history courses and be proficient in at least one research language besides English. (typically Greek, Latin, Syriac, French, or German).

Application Requirements
- Application form and fee
- Transcript(s)
- Three letters of recommendation
- GRE scores
- Résumé
- Interview
- Professional goal statement

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Application Deadline
Interested students should apply by January 1.

Review Process
Applications are reviewed by the department's Graduate Studies Committee.
Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

**Required Courses (12 credits)**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>THEO 6010</td>
<td>Methods in Historical Theology</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6020</td>
<td>Survey of Early Christianity</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6030</td>
<td>Survey of Medieval Christianity</td>
<td>3</td>
</tr>
<tr>
<td>THEO 6040</td>
<td>Survey of Modern Christianity</td>
<td>3</td>
</tr>
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</table>

**Major Area Seminars Concentration (12 credits)**

**Early Christianity**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEO 6110</td>
<td>Early Christianity Seminar</td>
<td>12</td>
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</table>

**Medieval Christianity**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEO 6120</td>
<td>Medieval Christianity Seminar</td>
<td>12</td>
</tr>
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</table>

**Modern Christianity**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEO 6130</td>
<td>Modern Christianity Seminar</td>
<td>12</td>
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</table>

**Minor Area (6 credits)**

3 credits of seminar in each of the areas not concentrating in.

**Early Christianity**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEO 6110</td>
<td>Early Christianity Seminar</td>
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**Medieval Christianity**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEO 6120</td>
<td>Medieval Christianity Seminar</td>
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**Modern Christianity**

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>THEO 6130</td>
<td>Modern Christianity Seminar</td>
<td>3</td>
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</table>

**Elective Courses (6 credits)**

**Dissertation Research (18 credits)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>THEO 6210</td>
<td>Dissertation Prospectus</td>
<td>6</td>
</tr>
<tr>
<td>THEO 6990</td>
<td>Dissertation Research</td>
<td>12</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 54**

Non-Course Requirements

In addition to coursework, degree requirements include competency in at least three foreign languages, comprehensive examinations, and a dissertation that presents an original thesis in response to a question of significance to the field of Historical Theology.

Continuation Standards

Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.
URBAN AND POVERTY STUDIES (MICAH)
micah.slu.edu

LEADERSHIP
Donald Stump, PhD.
Director

OVERVIEW
The mission of Saint Louis University is the pursuit of truth for the greater glory of God and for the service of humanity. The Micah program seeks to fulfill SLU's mission by focusing on pillars of faith, community, academics, service and leadership. Integrated around themes of social justice, the program takes its name from the Biblical prophet Micah, who spoke out against social inequities in ancient Israel. The program welcomes students from all faiths and all areas of study.

The primary aim of the program is to support the University's mission of developing men and women for others by:

+ Building a nondenominational faith-based community of a diverse group of students who serve, study, and live together as a learning community.
+ Providing special sections of interdisciplinary courses that address issues related to urban poverty and social justice and fulfill core requirements for most majors.
+ Deepening students' understanding of such issues by facilitating their community service in the city and providing opportunity for guided reflection on their experiences.
+ Fostering students' leadership skills by offering extensive opportunities to organize and lead the community activities built into the program.
+ Supporting the students' ongoing community through SLU graduation and beyond.

Freshman Community
Upon arrival at the University, freshmen enroll in special sections of introductory courses that encourage interdisciplinary study and reflection and, in most cases, satisfy University core requirements.

Since enrollment is limited, classes are small, allowing participants to work closely with their instructors and their fellow students.

In the fall, the department explores ideals of justice and social order in the Classical and Christian traditions. Students take the following two courses:

+ THEO 1000 Theological Foundations
+ PHIL 1050 Intro to Phil: Self and Reality

These courses sections are co-taught and restricted to students participating in the Micah Program.

In the spring, the department turn to social problems that hinder the realization of the ideals that were studied in the fall. Students take at least one of the following:

+ ASTD 3200 The Urban Crisis
+ AAM 2100 Contemporary Black America
+ LAS 3000 Introduction to Latin American Studies

Micah freshmen that have not fulfilled their English writing core requirement also take

+ ENGL 1900 Advanced Strategies Of Rhetoric and Research

Companions
Students not affiliated with the Freshman Community may enter the program by attending Micah co-curricular activities, taking at least one course approved for the interdisciplinary Minor in Urban Poverty Studies, and performing at least 30 hours of community service with us.

Faculty
Olga Arbelaez, Ph.D.
Jonathan Jacobs, Ph.D.
Chryl Laird, Ph.D.
Benjamin Looker, Ph.D.
Ian McReady-Flora, Ph.D.
David Meconi, S.J., Ph.D.
Clyde P. Ragland, Ph.D.
Brian Sholl, Ph.D.

MINOR IN URBAN & POVERTY STUDIES

Program Requirements
• At least four terms (or their equivalent) of community service, averaging at least 30 credits per term

Approved courses: Students are required to distribute their 18 credits in the following four categories:

Nature of Justice and Social Ethics Requirement (3 credits minimum)
PHIL 1050 Introduction to Philosophy: Self and Reality (Micah) 3
THEO 1000 Theological Foundations (Micah) 3
THEO 2510 Christian Morality (Micah) * 3
THEO 3515 Poverty, Wealth and Justice * 3
* These two courses can apply in an Area of Specialization instead.

Urban Social and Political Problems Requirement (3 credits minimum)
ASTD 3100 Making the American City 3
ASTD 3200 The Urban Crisis 3
ASTD 3500 Workshop in the City 3
CVNG 2030 Sustainability and Environmental Engineering 3
ECON 4100 Urban and Regional Economics 3
ED 2200 Today's Diverse Educational Environment: Trends and Issues 3
HIST 3570 U.S. Social and Intellectual History Since 1861 3
HIST 3610 Civil Rights in America, 1865-1965 3
NURS 3440 Public Health Nursing 3
NURS 3457 Community Project 3
NURS 3457 Community Project 3
Cycles of Exclusion

Area of Specialization (6 credits)
Choose at least two courses in one of the following areas:

Theory of Social Justice

Senior Capstone (3 credits)

POLS 2210 Civic Renewal: Service Learning and Community Justice 3
POLS 2220 Urban Politics 3
POLS 3210 Shelter in America 3
POLS 3800 The Structure of Poverty: Globally and Locally 3
POLS 3330 Metropolitan Environment 3
SOC 2500 Current Social Problems 3
SOC 3240 Urban Sociology 3
SOC 4100 Introduction to Urban Economics 3
SOC 4200 Urban Ecology: Neighborhoods 3
SOC 4550 Urban Ethnography 3
THEO 2525 Christian Morality and Health Care 3

Area of Specialization (6 credits)
Choose at least two courses in one of the following areas:

POLS 2220 Urban Politics 3
SOC 2500 Current Social Problems 3
SOC 3240 Urban Sociology 3
SOC 4100 Introduction to Urban Economics 3
SOC 4200 Urban Ecology: Neighborhoods 3
SOC 4550 Urban Ethnography 3
THEO 2525 Christian Morality and Health Care 3

Immigration and Globalization

Immigration and Globalization

ECON 3790 Economic/Political/Social Development—Latin America 3
HIST 3180 Modern Latin America 3
IB 3020 Latin American Business 3
LAS 3000 Introduction to Latin American Studies 3
OCS 3720 Critical Perspectives of Culture, Occupation, and Justice 3
PHIL 4750 Latin American Philosophy 3
POLS 2570 Introduction to Latin American Politics 3
POLS 2570 Politics of Mexico 3
POLS 3540 Latin American Social Movements 3
POLS 3560 Political Process – Latin America 3
POLS 3570 Third World Development 3
POLS 3800 Problems of Globalization 3
POLS 3820 Latin American-U.S. Relations 3
PUBH 2320 Contemporary Issues in Global Health 3
SOC 3180 Immigration 3
SPAN 2230 Latin American Culture and Civilization 3
SPAN 2240 Meeting the Other—Hispanic Experience 3
SPAN 4160 Three in One—The Hispanic Experience 3
SPAN 4160 Cultural Differences—Latin American 3
THEO 2510 Christian Morality 3
THEO 4810 Nicaragua: Theology and Culture 3
THEO 3415 Studies in Faith and Reason, The Theology of Gustavo Gutierrez 3

Health Care

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POLS 2210 Civic Renewal: Service Learning and Community Justice 3
POLS 2220 Urban Politics 3
POLS 3210 Shelter in America 3
POLS 3800 The Structure of Poverty: Globally and Locally 3
POLS 3330 Metropolitan Environment 3
SOC 2500 Current Social Problems 3
SOC 3240 Urban Sociology 3
SOC 4100 Introduction to Urban Economics 3
SOC 4200 Urban Ecology: Neighborhoods 3
SOC 4550 Urban Ethnography 3
THEO 2525 Christian Morality and Health Care 3

Area of Specialization (6 credits)
Choose at least two courses in one of the following areas:

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SOC 2380 Diversity and Health Disparities 3
NURS 3440 Public Health Nursing 3
NURS 3457 Community Project 3
OCS 3720 Critical Perspectives of Culture, Occupation, and Justice 3
PUBH 2300 Contemporary Issues in Global Health 3
PUBH 3100 Public Health and Social Justice 3
PUBH 4000 Politics and Public Health Advocacy 3
THEO 2525 Christian Morality and Health Care 3

Theory of Social Justice

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Senior Capstone (3 credits)

Complete MH 4960 or an approved 3-credit senior capstone, practicum, or seminar in the student's major. The course must culminate in an 8-10 page paper and an oral presentation on a topic involving urban poverty in the chosen Area of Specialization for the Interdisciplinary Minor.

Courses taken to satisfy the requirements of the core or of a major or minor in another discipline may also be counted toward the interdisciplinary Minor. Courses, however, counted toward another interdisciplinary minor (such as African American Studies or Women's Studies) may not be included.

In unusual circumstances, students may (at the discretion of the Director) count relevant courses not listed above by contracting with the instructor to write a substantive paper related to urban problems or community service. Contracts must be approved no later than the fourth week of classes.

TOTAL CREDITS: 21

Study abroad

Students pursuing the track in Immigration and Globalization have the option to study for a semester in Latin America. Courses taken there on the history and culture of the region may be counted toward the 9 credits required in that track. As soon as possible (and no later than the term before departing for Latin America or taking MH 4960), students studying abroad as part of the concentration in Immigration and Globalization must fulfill a prerequisite of 3 credits of college Spanish or its equivalent. Language study does not count toward the 18 credits required for the Interdisciplinary Minor.

Continuation Standards

Students must have a GPA of 2.0 in Medieval Studies
minor coursework to be retained in the minor.
WOMEN'S AND GENDER STUDIES
www.slu.edu/arts-and-sciences/women-gender-studies

LEADERSHIP
Penny Weiss, Ph.D.
Department Chair

Gretchen Arnold, Ph.D.
Director of Graduate Studies

OVERVIEW
The Department of Women's and Gender Studies offers engaging courses that help students develop a critical perspective of the world. Our undergraduate and graduate curricula raise vital questions about power, resistance, and social transformation, and teach students how to engage in the world as responsible citizens.

Women's and gender studies is the study of human experience that places gender at the center of analysis. It is an interdisciplinary field that draws from knowledge and expertise in the humanities, social sciences, and natural sciences.

Undergraduate Offerings
+ Bachelor of Arts in Women's and Gender Studies
+ Minor in Women's and Gender Studies

Graduate Offerings
+ Master of Arts in Women's and Gender Studies
+ Graduate Minor in Women's and Gender Studies

Faculty
Gretchen Arnold, Ph.D.
Amanda Izzo, Ph.D.
Robert Strikwerda, Ph.D.
Claudia Karagoz, Ph.D.
Elena Dalla Torre, Ph.D.
Elisabeth Perry, Ph.D., emerita
Penny Weiss, Ph.D.

BACHELOR OF ARTS IN WOMEN'S AND GENDER STUDIES

Program Highlights
Saint Louis University has a growing women's and gender studies department, open to both men and women, with courses focusing on women, gender and sexuality across the curriculum of the humanities and social sciences and including professional schools such as nursing, law and social work.

Women's and gender studies is the study of the human experience that places women and gender at the center of the analysis. It is an interdisciplinary field that draws from knowledge and expertise in the humanities, social sciences and sciences. It examines how gender inequality is built into social institutions and practices, envisions more egalitarian alternatives, and studies strategies of social change. Women's and gender studies looks at both how gender norms vary across cultures, and how they interact with other systems of inequality, such as those based on race and class. Courses range from "gender and popular culture" to "history of women in America;" from "feminist theory" to "feminism in action;" and from "multicultural U.S. feminisms" to "global feminisms."

The department represents both a content area and an approach that includes feminist pedagogy, feminist methodologies and feminist strategies of interpretation. Students regularly reflect on questions pertaining to ethics and justice as well as examine the range and diversity of women's experiences.

Curriculum Overview
The program offers engaging courses that develop students' multicultural awareness. The program enable individuals to become more reflective about their own lives and the lives of men and women everywhere. Courses encourage students to serve as an active citizen of the world.

Students in women's and gender studies enjoy studying women, gender, sexuality, ethics, families and communities. Women's and gender studies students learn skills designed to help them build communities, develop policies, and understand social relationships. Courses pay particular attention to the intersection of issues of ethnicity, class and sex and explore how differences between men and women structure society. Many students choose to double major.

Fieldwork and Research Opportunities
All majors participate in a capstone course in which they complete a project under the supervision of an individual faculty member. In this course, students have the experience of working one-on-one with a faculty member who provides special opportunities for mentoring and professional development.

Careers
Students pursue careers in social service agencies, government, corporations and educational institutions; some students go on to master's or doctoral work in women's and gender studies or pursue graduate work in a variety of fields, including social work and law.

Admission Requirements

Freshman
All applications are thoroughly and carefully reviewed. Solid academic performance in college preparatory course work is a primary criterion in reviewing a freshman applicant's file. College admission test scores (ACT or SAT) are used as an additional indicator of the student's ability to meet the University's academic requirements and to qualify the student for certain University scholarship programs.

To be considered for admission to any Saint Louis University undergraduate program, the applicant must be approaching graduation from an accredited high school or have an acceptable score on the General Education Development (GED) test.

Transfer
Applicants must be a graduate of an accredited high school or have an acceptable score on the GED. An official high school transcript and official test scores are required only of those students who have attempted fewer than 24 transferable semester credits (or 30 quarter credits) of college credit. Those having completed 24 credits or more of college credit need only submit a transcript from previously attended college(s). In reviewing a transfer applicant's file, the office of admission holistically examines the student's academic performance in college-level coursework as an indicator of the student's ability to meet the academic rigor of Saint Louis University.

Scholarships and Financial Aid
There are two principal ways to help finance a Saint Louis University education:

+ Scholarships: awarded based on academic achievement, service, leadership and financial need.
+ Financial Aid: provided in the form of grants and loans, some of which require repayment.

For priority consideration for merit-based scholarships, applicants should apply for admission by Dec. 1 and complete a Free Application for Federal Student Aid (FAFSA) by March 1.

For information on other scholarships and financial aid, visit the student financial services office online at finalaid.slu.edu.

Program Requirements
Courses may count for multiple majors and minors, and for core requirements.

Required Courses (12 credits)
- WGST 1900 Introduction to Women's and Gender Studies
- WGST 3850 Feminism in Action
- WGST 4010 Cultural Analyses of Gender
- WGST 4900 Women's and Gender Studies Capstone

Feminist Theory Requirement (3 credits)
- WGST 4810 Feminist Philosophy
  (Cross-listed Philosophy)
- WGST 3775 Gender Justice
  (Cross-listed Political Science)

Elective Courses (15 credits)
- WGST 2800 Men and Masculinity
  (Cross-listed Political Science)
- WGST 2400 Gender & Pop Culture
  (Cross-listed American Studies and Film Studies)
- WGST 3240 Female Bildungsroman
  (Cross-listed English and Film Studies)
- WGST 3300 Intercultural Communication
  (Cross-listed Communication)
- WGST 3510 Structure of Poverty
  (Cross-listed Sociology)
- WGST 3800 Women in Literature
  (Cross-listed English)
- WGST 3930 Sex, Gender, & Christian Ethics
  (Cross-listed Theology)
- WGST 3720 Renaissance & Modern Political Theories
  (Cross-listed Philosophy and Political Science)
- WGST 3790 Disability Theory and Politics
  (Cross-listed Political Science)
- WGST 3800 Violence Against Women
  (Cross-listed Political Science)
- WGST 4300 Gender and Communication
  (Cross-listed Communication)
- WGST 4330 Psychology of Oppression
  (Cross-listed Psychology)
- WGST 4770 Spanish Women Poets
  (Cross-listed Languages, Literatures, and Cultures)
- WGST 4800 Black Women in Society
  (Cross-listed African American Studies)
- WGST 4860 Global and Transnational Feminism
  (Cross-listed Political Science)

TOTAL CREDITS: 30

Continuation Standards
Students must have a GPA of 2.0 in Women’s and Gender Studies major coursework to be retained in the major.

MINOR IN WOMEN'S AND GENDER STUDIES

Program Requirements
Courses may count for multiple majors and minors, and for core requirements.

Required Courses (3 credits)
- WGST 1900 Introduction to Women’s and Gender Studies

Required Elective (3 credits)
- WGST 3850 Feminism in Action
- WGST 4010 Cultural Analyses of Gender
- WGST 4900 Women’s and Gender Studies Capstone

General Elective Courses (12 credits)
- WGST 2800 Men and Masculinity
  (Cross-listed Political Science)
- WGST 2400 Gender & Pop Culture
  (Cross-listed American Studies and Film Studies)
- WGST 3240 Female Bildungsroman
  (Cross-listed English and Film Studies)
- WGST 3300 Intercultural Communication
  (Cross-listed Communication)
- WGST 3510 Structure of Poverty
  (Cross-listed Sociology)
- WGST 3800 Women in Literature
  (Cross-listed English)
- WGST 3930 Sex, Gender, & Christian Ethics
  (Cross-listed Theology)
- WGST 3720 Renaissance & Modern Political Theories
  (Cross-listed Philosophy and Political Science)
- WGST 3790 Disability Theory and Politics
  (Cross-listed Political Science)
- WGST 3800 Violence Against Women
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- WGST 4300 Gender and Communication
  (Cross-listed Communication)
- WGST 4330 Psychology of Oppression
  (Cross-listed Psychology)
- WGST 4770 Spanish Women Poets
  (Cross-listed Languages, Literatures, and Cultures)
- WGST 4800 Black Women in Society
  (Cross-listed African American Studies)
- WGST 4860 Global and Transnational Feminism
  (Cross-listed Political Science)

TOTAL CREDITS: 18

Continuation Standards
Students with a minor in Women’s and Gender Studies must maintain a 2.0 GPA in courses for the Women’s and Gender Studies
ACCELERATED BACHELOR'S/MASTER'S PROGRAM

Overview
The Accelerated Bachelor's/Master's Program (ABM) offers the opportunity for outstanding Women's and Gender Studies majors to begin an M.A. program in their senior year, completing the M.A. with a full time fifth year of graduate study after their successful completion of both the first year requirements and their undergraduate degree and major.

Program Requirements
The Women's and Gender Studies major, like most humanities majors, requires thirty credits of coursework, and the M.A. a further thirty. By counting two graduate courses, or six credits, for both degrees, students earn the requisite thirty credits in only twelve to fourteen months after receiving their Bachelor's degree.

Students must be pursuing a Women's and Gender Studies major or minor, have at least junior standing, and have a minimum grade point average of 3.3, although exceptions can be granted by the Graduate Director.

Continuation Standards
Students who pursue a major or minor in Women's and Gender studies must earn a 2.00 GPA in the courses approved for completion of the major or minor. If a student's minor or minor GPA drops below 2.00, the student will be placed on academic program probation within the department. A student may remain on academic probation for no more than two consecutive semesters, or for three semesters total, before being dismissed from the minor.

MASTER OF ARTS IN WOMEN'S AND GENDER STUDIES

Program Highlights
The Master of Arts in Women's and Gender Studies provides an interdisciplinary education about contemporary social justice issues, preparing students for leadership and advocacy roles in community or academic settings. While gender is the primary focus, each course and the discipline as a whole examine gender in light of race, ethnicity, class, sexual identity, ability, age and religion. The discipline teaches students to think critically and to engage in the world as responsible citizens.

Curriculum Overview
The master's degree in women's and gender studies requires 30 credits. Students will take five core courses covering feminist theory, feminist epistemologies, research methods, current issues and debate, and complete a women leaders' internship. Students can then choose five elective courses from dozens of choices in women's and gender studies; political science; African American Studies; philosophy; English; history; languages, literatures and cultures; fine and performing arts; social work; and law, among others.

Fieldwork and Research Opportunities
Students will also need to complete a capstone project and presentation based on either an internship or research developed through coursework to graduate with a M.A. in women's and gender studies.

Careers
The SLU M.A. in women's and gender studies prepares students for:
+ Careers in community organizing, nonprofit organizations, government service, health care, business, the arts and policy research.
+ Doctoral work in women's and gender studies and related fields.
+ Professional schools, including public health, law, social work and public policy.

Admission Requirements
A GPA of 3.3 or above is preferred. The interdisciplinary M.A. program welcomes applicants from all academic fields.

Application Requirements
+ Application form and fee
+ Transcript(s)
+ Three letters of recommendation
+ GRE or LSAT scores
+ Résumé
+ Statement of Purpose
+ Writing sample (preferably related to women's and gender studies)

Requirements for International Students
+ A completed Declaration of Financial Support packet with all accompanying documents
+ TOEFL or PTE Academic score
+ Check the English Proficiency Policy page for specific TOEFL and PTE score requirements. Students may also visit the international prospects, applicants and students page for more information about international application requirements.

Assistantship Application Deadline
Students who want to be considered for an assistantship must submit their application by Jan. 30.

Scholarships and Financial Aid
Students may apply for assistantships, grants and fellowships. Fellowships provide a stipend and health insurance for the duration of the fellowship.

For more information, visit the student financial services office online at finaid.slu.edu.

Program Requirements

Required Courses (15 credits)
WGST 5010 Feminist Theory 3
WGST 5020 Feminist Epistemologies 3
WGST 5030 Cultural Methods: Gender, Politics, and Power 3
WGST 5040 Current Issues and Debates 3
WGST 5910 Women Leaders Internship 3

Elective Courses (15 credits)
WGST 6070 Studies in Francophone Culture 3
WGST 6150 Gender and American Politics 3
WGST 6210 Women's Movements in the U.S. and Beyond 3
WGST 6290 Women and Global Issues 3
WGST 6310 Women Writing Women: Latin American Women Playwrights 3
WGST 6380 Written by Herself: Latin American Women Writers 3
WGST 6580 Adv Nurse Prac: Gynecologic Issues 3
WGST 6650 17th Century Literature 3
WGST 6660 18th Century English Lit 3
WGST 6680 Studies in Modernism 3
WGST 6690 Irish Gothic 3
WGST 6700 American Political Thought 3
WGST 6710 18th Century American Literature 3
WGST 6760 Topics in Literature of the 20th Century 3
WGST 6870 Topics in Literature of the 20th Century 3
WGST 6875 School of Law Seminars 3
WGST 6883 Employment Discrimination 3
WGST 6885 Women Writing Women: Latin American Women Playwrights 3
WGST 6887 Feminism Ethics 3

TOTAL CREDITS: 30

Non-Course Requirements
Capstone project
A capstone project and presentation based on either an internship or research developed through coursework is also required.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

MASTER OF ARTS IN WOMEN'S AND GENDER STUDIES AND JURIS DOCTOR DUAL DEGREE

Overview
The dual J.D./M.A. program provides students with a rigorous, interdisciplinary, and critical study of law, gender and social justice. While taking courses through both the Saint Louis University School of Law and the women's and gender studies program, students develop research projects that focus on how law and legal policies intersect with gendered social institutions and practices. By pursuing both degrees concurrently, students acquire a broader context for thinking critically about and advocating for gender equality in law and policy.

Dual J.D./M.A. students acquire skills applicable to a variety of settings, including:

+ Advocating for the rights of women and other minorities
+ Helping survivors of gender-based violence
+ Working in local and national feminist legal organizations
+ Practicing law with a clear understanding of how gender issues interconnect with public and private policies

Admission Requirements
Students apply for admission to each program independently. Students begin the J.D. program first and then apply for admission to the women's and gender studies master of arts program during the spring of their first year in law school.

Program Requirements
The program is designed to be completed in four years. Students choose 18 credits (six courses) that count simultaneously toward both degrees. Examples of courses include Gender and Culture, Sexuality and the Law, Employment Discrimination, Family Law, Disability Law, and Critical Race Theory.

Continuation Standards
Students must maintain a cumulative GPA of 3.00 in all required graduate/professional courses.

GRADUATE MINOR IN WOMEN'S AND GENDER STUDIES

Admission Requirements
To receive a graduate minor, students must be enrolled in another graduate program at SLU. Any graduate student may take the required courses as long as they have the approval of their department or program.

Program Requirements
Courses may count for multiple majors and minors, and for core requirements.

Required Courses (6 credits)
WGST 5010 Feminist Theory 3
WGST 5020 Feminist Epistemologies 3
WGST 5030 Cultural Methods: Gender, Politics, and Power 3
WGST 5040 Current Issues and Debates 3

Elective Courses (15 credits)
WGST 6070 Studies in Francophone Culture 3
WGST 6150 Gender and American Politics 3
WGST 6210 Women's Movements in the U.S. and Beyond 3
WGST 6290 Women and Global Issues 3
WGST 6310 Women Writing Women: Latin American Women Playwrights 3
WGST 6380 Written by Herself: Latin American Women Writers 3
WGST 6580 Adv Nurse Prac: Gynecologic Issues 3
WGST 6710 Women Writing Women: Latin American Women Playwrights 3
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WGST 6680 Studies in Modernism 3
WGST 6690 Irish Gothic 3
WGST 6700 American Political Thought 3
WGST 6710 18th Century American Literature 3
WGST 6760 Topics in Literature of the 20th Century 3
WGST 6870 Topics in Literature of the 20th Century 3
WGST 6885 Women Writing Women: Latin American Women Playwrights 3
WGST 6887 Feminism Ethics 3

TOTAL CREDITS: 30
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<td>WGST 8875</td>
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**TOTAL CREDITS: 9**

**Continuation Standards**

Students with a minor in Women's and Gender Studies must maintain a 2.0 GPA in courses for the Women's and Gender Studies.