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, Honors Bachelor of Arts, Honors Bachelor of Science, and Certificate Programs and Minors through fifteen departments. The College is certified by the North Central Association of Colleges and Secondary Schools. The Bachelor of Science degree in Chemistry is accredited by the American Chemical Society.

Undergraduate Degrees and Majors Offered

Bachelor of Arts Degrees (B.A.)
- American Studies
- Biology
- Chemistry
- Communication
- Contract Major*
- Criminal Justice
- Earth & Atmospheric Sciences
  - Environmental Science
  - Geology
  - Meteorology
- Economics
- English
- Fine & Performing Arts
  - Art History
  - Studio Art
  - Music
  - Theatre
- History
- International Studies (Second Major Only)

Mathematics and Computer Science
- Applied Mathematics
- Computer Science
- Mathematics for Teachers
- Pure Mathematics

Modern & Classical Languages
- Classical Humanities
- French
- German
- Greek/Latin Lang. & Literature
- Russian
- Spanish

Philosophy
- Physics
- Political Science
- Psychology
- Sociology
- Theological Studies
- Women's Studies

Bachelor of Science Degree (B.S.)
- Biology
- Chemistry
- Contract Major*
- Earth & Atmospheric Sciences
  - Environmental Science
  - Geology
  - Geophysics
  - Meteorology
- Cooperative Engineering Program (See Special Programs)
- Chemistry/Engineering
- Mathematics/Engineering
- Physics/Engineering

*See Contract Degree Option Section

Certificate Programs
The following Multidisciplinary Certificate Programs, complementing the undergraduate learning experience, are available in:

- African American Studies
- Business Administration*
- Classical Humanities
- Classical Languages
  - Greek or Latin
Clinical Lab Science*
Urban Social Analysis
Creative and Professional Writing
Film Studies
Forensic Science
Health Information Management*
Human Resource Management (Psychology Majors Only)*
Italian Studies
Language Proficiency: French, German, Russian, Spanish
Management Information Systems (M.I.S.)*
MANRESA Program
Marketing (Communication Majors Only)*
Medieval Studies
Political Journalism
Russian/East European Studies
Women’s Studies

*Certificate programs open to Arts and Sciences students housed in Allied Health Professions, or Business and Administration. For specific requirements, consult the catalog information for these schools.

Specific Arts and Sciences Certificate Program requirements appear under “Special Programs.”

**Minors**
The following minors are available to students in the College of Arts and Sciences:

<table>
<thead>
<tr>
<th>American Studies</th>
<th>Mathematics</th>
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<tbody>
<tr>
<td>Anthropology</td>
<td>Meteorology</td>
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<tr>
<td>Biology</td>
<td>Modern &amp; Classical Lang.</td>
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<tr>
<td>Communication</td>
<td>French</td>
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<tr>
<td>Computer Science</td>
<td>German</td>
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<tr>
<td>Criminal Justice</td>
<td>Greek</td>
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<tr>
<td>Economics*</td>
<td>Latin</td>
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<tr>
<td>Education*</td>
<td>Russian</td>
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<tr>
<td>English</td>
<td>Spanish</td>
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<tr>
<td>Engineering</td>
<td>Philosophy</td>
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<tr>
<td>Mathematics</td>
<td>Physics*</td>
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<tr>
<td>Environmental</td>
<td>Political Science</td>
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<tr>
<td>Fine &amp; Performing Arts</td>
<td>Psychology</td>
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<tr>
<td>Art History</td>
<td>Social Work*</td>
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<tr>
<td>Music</td>
<td>Sociology</td>
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<tr>
<td>Studio Art</td>
<td>Theological Studies</td>
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<tr>
<td>Theatre</td>
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<tr>
<td>Geology</td>
<td>Urban Affairs*</td>
</tr>
<tr>
<td>History</td>
<td></td>
</tr>
</tbody>
</table>

* Minors open to Arts and Sciences students housed in, Business and Administration, Social Services, Parks College, and the College of Public Service. For specific requirements, consult the catalog information for these schools.

See Arts and Sciences department listings for specific requirements for minors.

**Requirements for Bachelor’s Degrees**
A minimum of 120 hours are required for degree completion. These hours exclude pre-college-level courses (numbered below 100) and performance based physical education courses. More than 120 hours are required for some Bachelor of Science degree programs (see Department listings). Requirements for degree completion include three components:

1. Core Curriculum Requirements - 54-63 hours
2. Major Requirements - 36 hours maximum required in a single department unless otherwise listed. In addition, several departments require supplementary courses in related fields.
3. Options for remaining hours:
   - a. Certificate Program (hours range from 18 to 30)
   - b. Minor (hours range from 15 to 21)

4. Double Major
5. Related elective hours approved in consultation with an advisor to assist the student in reaching the minimum of 120 hours required for graduation.

**Additional General Requirements:**
1. To be admitted into a degree program, a student is required to:
   a. have at least a 2.00 cumulative average;
   b. have received a C or better in any prerequisite(s) for upper division courses in the major;
   c. fill out an application to the major department in the Dean's Office or, if appropriate, the Academic Services Center. The application and the student's record are then submitted to the Department and, upon acceptance, a departmental advisor is assigned.

2. To be admitted into a certificate program or minor, a student is required to:
   a. have at least a 2.00 cumulative average;
   b. have received a C or better in any prerequisite(s) required for upper division courses in the minor or certificate program;
   c. fill out an application for the certificate program or minor in the Dean's Office and be accepted by the appropriate department or certificate program director.

**To be certified for graduation, a student is required to:**
1. have at least a 2.00 cumulative average in the major and a 2.00 average in the certificate program, minor or related elective hours.
2. complete his or her final 30 hours at Saint Louis University. Of the 30 required residency hours, especially for transfer students, a minimum of 9 hours of work must be taken within the Major Department. Also, a minimum of 6 hours of work must be taken at Saint Louis University within the remaining hours component of the degree.
3. enroll in a Senior Inquiry, if required by the major department
4. enroll in the departmental 495 or senior residency course (for 0 hours) during the semester in which he or she intends to graduate;
5. complete a degree application in the Dean's Office at the beginning of the semester in which he or she intends to graduate.

**Contract Degree Option:**
This option is for the benefit of the student who wishes to develop an academic program which is unique and interdisciplinary in nature. Under this option it is the student's responsibility to organize a coherent plan for the degree, and to enlist a faculty advisory committee which will monitor the student's progress.

**Requirements for the Contract Option are:**
1. The student should have a cumulative grade point average of 2.7 or better and have completed at least one semester's work at Saint Louis University.
2. This option should normally be selected by the end of the sophomore year (or the completion of 60 hours course work). Students who have completed 90 or more hours of course work may not elect a contract option.
3. The student must select at least three full-time, ranked faculty members - no more than two of them may be from the same department - to serve on an advisory committee. Faculty chosen should represent disciplines within the contract program.
4. 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.
For further information, contact the Dean’s office, Ritter Hall 125.

The Double Major
Many students find it possible to complete the requirements for two majors within the College. The 120 hours required for graduation will 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:

1. obtain two “Student Application for Admission to Major Department” forms in the Dean’s Office, one form for each department, and return the completed forms to the Dean’s Office.
2. upon acceptance by each department, be assigned two advisors, one from each department.
3. satisfy requirements in each major.
4. complete a single Senior Inquiry (if required, combining both major areas into one coordinated inquiry).

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 and the major requirements of both fields, completing at least 120 hours.

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.

Requirements for Second Bachelor’s Degree Applicants
A student is classified as a second bachelor’s degree candidate if he or she is seeking an undergraduate degree and has previously received a baccalaureate degree. The prior bachelor’s degree - internal or external - must be balanced in terms of prior course work, which means that students must have at least one approved three-hour college level course from each of the core curriculum areas of Foundations of Discourse, Cultural Diversity, Foreign Language, Fine Arts, Literature, Science, Mathematics, World History, Social Science; and have completed nine hours of Philosophy and nine hours of Theological Studies with the last six hours of each taken at Saint Louis University. Deficiencies in these core areas must be removed before awarding of the second Bachelor Degree, so as to preserve the unique character of Jesuit Liberal Education.

Requirements for Bachelor’s Degree Applicants with prior Associate of Arts degree:
Community college transfers who hold an Associate of Arts degree must have a “balanced AA degree” which means that students, in order to obtain a Bachelor’s degree, must have at least one approved three-hour college level course from each of the core curriculum areas of Foundations of Discourse, Cultural Diversity, Foreign Language, Fine Arts, Literature, Science, Mathematics, World History, Social Science; and have nine hours of Philosophy and nine hours of Theology with the last six hours of Philosophy and the last six hours of Theology taken at Saint Louis University. Deficiencies in these core areas must be removed before awarding of the Bachelor’s degree, so as to preserve the unique character of Jesuit Liberal Education. The maximum number of hours accepted in transfer with an AA degree, from all sources, is 64.

Core Curriculum Requirements
To be a Catholic, Jesuit University is to foster the development of “women and men for others,” people who are dedicated to the common good and especially to social justice. The mission of the Core Curriculum of the College of Arts and Sciences of Saint Louis University is to foster the development of effective leaders fully prepared to contribute to society. 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 ethno-centric 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, natural science, and mathematics, enhances effective communication through courses in composition and foreign language, increases awareness of the imaginative, artistic, and affective capacities of humankind, and 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.

The requirements are:

- Component: Credit Hours
  - Foundations of Discourse: 3
  - Cultural Diversity: 3*
  - Modern & Classical Language: 0-9
  - Fine & Performing Arts: 3
  - Literature: 3
  - Science: 3
  - Mathematics: 3
  - World History: 6
  - Philosophy: 3
  - Theology: 3
  - Social Science: 3
  - Total: 54-63

* 5-60 hours are required if the Cultural Diversity requirement is met by a course which also satisfies another Core 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, Communication majors may not take Communication courses to fulfill the Social Science core requirement and 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.

Foundations of Discourse Requirement
All students must complete ENG-A190: Advanced Strategies of Rhetoric and Research (3). Students needing pre requisite work in writing skills, as determined by entering test scores, will be required to take ENG-A150: Process of Composition (3), and perhaps ENG-A090: Introduction to Writing (3). ENG-A150 serves as elective credit, but ENG-A090 does not count toward graduation.

Students in the Honors Program may satisfy this requirement by completing HRA-211: Advanced Composition (3). Non-native speakers of English may substitute ESLA150 The Process of Composition for Foreign Students (3) for ENG-A150, and ESLA190 Advanced Strategies of Rhetoric and Research for Foreign Students (3) for ENG-A190.
Cultural Diversity Requirement
All students must complete one approved cultural diversity course. This requirement may simultaneously satisfy another core curriculum requirement, a requirement for a major, minor, or certificate program, or an elective course. The list of approved cultural diversity courses is available in the Departmental Offices, the Dean’s Office, and on-line through the College of Arts and Sciences’ website.

Modern & Classical Languages Requirement
This requirement will be satisfied through achievement of an intermediate level of proficiency in a language other than English. For most students, this requirement will normally be satisfied through completion of three semesters of study: XX-A110 (3), XX-A115 (3), and XX-A210 (3).

Students majoring in the Natural Sciences (Biology, Chemistry, Geology, Geophysics, Meteorology, Physics) have the option of taking the third semester of a language (XX-A210) or an approved, scientifically oriented computer language course, such as CSA120 or CSP111.

The foreign language requirement may also be satisfied by a minimum of one semester’s study in a foreign country at a College/University where a language other than English is employed in courses taken. Appropriate academic credit will be accepted in transfer.

Fine & Performing Arts Requirement

Literature Requirement
All students must take two courses to satisfy the literature requirement. The first course must be chosen from any 200-level English literature course. The second course may be chosen from either any 300- or 400-level English literature course (with the exception of ENG-A300-041 and ENG-A410-012), or an upper division foreign literature course taught in the original language, or an upper division Greek or Latin literature course with readings in the original language.

Foreign students may satisfy this requirement by either taking the two courses in the English department, or ESL-A211: Introduction to Literature for Foreign Students, plus one course in the English Department or an upper division foreign language literature course.

Science Requirement
All students must complete six hours of course work in the Natural Sciences. This requirement can be fulfilled by any two 3-hour courses in the Natural Sciences: Biology, Chemistry, Geology, Geophysics, Meteorology, or Physics.

Mathematics Requirement
All students must complete MTA-A120: College Algebra (3), or any higher level mathematics course, including MTA-A167. This excludes MTA-A181: Informal Geometry.

World History Requirement
All students must complete two courses: HSA-A111: Origins of the Modern World to 1500 (3), and HSA-A112: Origins of the Modern World 1500 to the Present (3).

Philosophy Requirement
All students are required to take a three course sequence in Philosophy. The first course is PLA-A105: Into Phi: Self & Reality (5). The second course is PLA-A205: Ethics (3). Students may then select any 300- or 400-level philosophy course (3) in which philosophical insight is brought to bear on one of five distinct academic areas: the humanities, the natural and mathematical sciences, the social sciences, the professions, or theology.

Theology Requirement
All students are required to take a three course sequence in Theology. The first course is THA-A100: Theological Foundations (3). The second course is chosen from the 200-level (3), to deepen one’s understanding of a religious tradition. The third course must be from the 300-level (3), which applies a religious tradition to life experiences.

Social Science Requirement
All students must complete six hours of course work in the Social Sciences. This requirement can be fulfilled by two three-hour courses in the Social Sciences from: Communication (CMM-A100, CMM-A200, CMM-A280 only), Communication Sciences Disorders (CSD-H100, CSH-I470 only), Economics, Education (EDF-423, EDF-470, EDF-H62, EDS-4131 only), Political Science, Psychology, Public Policy Studies (except for field service), Social Work (SW-S100, SW-S225, SW-S302, SW-S327 only), or Sociology.

Special Programs

Dual Degree Program in Engineering with Washington University. Double Degree and Double Major Programs in Engineering with Parks College
A student may earn a degree in the College of Arts and Sciences and an engineering degree in Parks College of Saint Louis University by satisfying all of the requirements of both degrees, including the core requirements of both colleges and by completing at least 150 credit hours of course work. To earn a double major, the student must satisfy the core requirements of only one college but the major requirements of both fields, completing at least 120 hours. These programs may combine any approved degree or major in the College of Arts and Sciences with aerospace engineering, electrical engineering, or mechanical engineering at Parks College. The student should consult his or her advisor to inquire about these programs.

In the Dual Degree Engineering Program with Washington University, students normally attend the College of Arts and Sciences for three years, followed by two years at the Washington University School of Engineering and Applied Science. This program permits the student to earn a Bachelor of Arts degree through the College of Arts and Sciences at Saint Louis University and a Bachelor of Science degree in an area of engineering from Washington University.

For the Dual Degree Program with Washington University, during the student’s three years at Saint Louis University, the following requirements must be met:

1. The entrance requirements for Washington University:
   At least 60 semester hours of transferable college credit with a minimum average grade of “B” both overall and in science and mathematics. Courses with grades below “C” do not transfer. These must include:
   a) Calculus through differential equations: MTA-142, MTA-143, MTA-241, MTA-351;
b) One year of physics employing calculus: PH-P151, PH-P152, PH-P153, PH-P154; or PH-P161, PH-P162, PH-P163, PH-P164;

c) One year of chemistry with laboratory: CH-A161, CH-A162;

d) One course in computer programming such as CS-P125; 18 hours minimum in humanities and social sciences, including nine hours in one field with one upper division course; no more than 9 hours of performing arts or skills courses may be used;

e) Ability to communicate effectively in written form, demonstrated by ENG-A190, examination scores or college certification;

f) For chemical engineering, a one-year course in organic chemistry: CH-A342 through CH-A345;

2. The Core Curriculum Requirements of The College of Arts and Sciences.

3. The requirements of the major department.

Students in this program select one department as their major department; typically Physics, Chemistry or Mathematics is chosen. Each department has its own requirements which must be fulfilled.

In order to receive the B.A. degree from Saint Louis University upon completion of the degree program at Washington University, the student must register at Saint Louis University for Senior Residency (95) in the appropriate department. In addition, the student must apply for graduation in the Office of The College of Arts and Sciences at Saint Louis University at the beginning of the final semester at Washington University.

For detailed curricula, see “Chemistry,” “Mathematics,” or “Physics,” later in this Catalog, or contact Dr. Larry M. Stacey in the Physics Department.

**English As A Second Language Program**

*(see Modern and Classical Languages)*

**Honors Program**

_Duane H. Smith, Ph.D., Director_

Covering all four undergraduate years, the University Honors Program (including the College of Arts and Sciences, the College of Public Service, the School of Business and Administration, the School of Nursing, the School of Allied Health Professions, and the School of Social Service) provides special opportunities and challenges for able students, creating and intensifying intellectual and cultural interest early in the college years.

Acceptance into the program is determined by previous academic performance, achievement in college entrance examination and evidence of interest in the program as explained in the Honors Program brochure. A student who demonstrates academic ability and/or develops an interest in the Honors Program during the freshman year may also be admitted.

A student must maintain a 3.30 minimum grade point average to remain in the Program. Student progress is reviewed by the Program Director every semester and continuance in the Program is either recommended or discouraged.

The program requires a minimum of twenty-four hours of course work, beginning with the Freshman Honors seminar, “Crossroads: An Introduction to Honors,” a cross-disciplinary, team-taught course that focuses on a different topic each year. Freshmen and sophomores then choose lower level courses from English, Economics, Philosophy, History, Theology; and other selected fields; these courses usually fulfill core requirements. Students must then complete at least four upper-level courses or tutorials, including at least one upper Honors seminar and the Senior Honors Thesis. Honors courses may not be taken on a Pass/No Pass option.

The major of an honors student is planned in conference with the departmental advisor. At the discretion of the major department, honors students may be taught in separate course sections or in tutorial sessions. Students who successfully complete the curriculum requirements and have a minimum GPA of 3.3 receive the Honors baccalaureate degree. In addition, students may qualify to graduate cum laude, magna cum laude, or summa cum laude. These Latin designations are separate and not related to the Honors Program.

See “Honors Program” in Department listings for specific requirements and courses. For further information, contact the Honors Program Office.

**Manresa Program in Catholic, Jesuit Studies**

_Daniel Finucane, Ph.D., Director_

The Manresa Program in the College of Arts and Sciences offers interdisciplinary and integrated study in the intellectual and social traditions of the Church from the New Testament period to the present. Designed to explore major questions that have occupied Christian philosophers and theologians, artists and literary writers, political theorists and historians, and natural and social scientists, the program welcomes students of all religious faiths and all academic majors. In addition to a variety of courses in the Christian intellectual tradition, Manresa 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 and opportunities for community service in neighborhoods near the university.

Ideally, the Manresa Program is begun in the freshman year. Sections of Theolog 100 cross-listed as MP-A-100 fulfill the requirement for an initial foundational course. For students who begin the program later in their studies, certain 200-level Theolog courses also fulfill this requirement. After the foundational course, students in the program enroll in an additional 12 hours of Manresa courses that match their interests. A final capstone course, which is normally taken in the senior year, provides students with an opportunity to synthesize and reflect on their studies and to relate their experiences to their field of study.

Those who successfully complete the required 18 hours of coursework receive a Certificate in the Christian Intellectual Tradition, which can be an important credential in applying for graduate school or for employment. Since most Manresa courses also fulfill requirements in the Core or in a student's major or minor, participation in the program typically involves only a few additions to a student's plan of study.

Note: All Manresa courses are cross-listed with courses in regular academic departments. All but the capstone course may also be used to satisfy requirements of the Core or of particular majors or minors. To insure proper credit toward requirements outside the program, students are advised to take their Manresa classes under course numbers designated by the departments rather than the MP numbers used in the program.
Micah House
Donald Stump, Ph.D., Director
Xavier Hall, 325

The Micah House Program offers students opportunities to take interdisciplinary courses on social issues, to perform community service among the poor and disadvantaged, and to develop leadership skills. As part of the program, students have the option of pursuing a certificate in Community Service, Social Justice, and Peace in the American City. Students studying for the certificate explore urban and social problems in courses drawn from a variety of disciplines, including Philosophy, Theology, Psychology, Public Policy Studies, Social Work, Sociology, and English. Most certificate courses require community service in the Shaw Neighborhood near the University’s Health Sciences Campus. Students in the program also engage in an enriched set of co-curricular activities, including speaker series, social events, large-group service activities, and small-group discussion and reflection meetings.

Requirements:
1) At least 12 of the 18 hours required for the certificate must be from the Primary Offerings of the Micah House Program, and at least 12 hours must be at the 200 to 400 level.

2) Students must include at least 3 hours in Theology or Philosophy at the 200 to 400 level, selecting courses from the Primary or Secondary Offerings of the program.

3) Students must also include at least 3 hours in Psychology, Sociology, Political Science, Public Policy Studies, or Social Work at the 200 to 400 level, again selecting courses from the Primary or Secondary Offerings of the program.

4) All students must complete MHA490: Senior Practicum, which should be taken while the student has senior status.

A full description of the program and its courses appears in the department listings under “Micah House.”

Pre-Law Program
Charles Fleener, Ph.D., Director

The Pre-Law Program is designed to inform and advise students interested in law as a profession and serves all Undergraduate Schools and Colleges of the University. As law schools do not demand a specific major, pre-law education is broadly defined. The successful applicant to law school will demonstrate development of verbal comprehension and articulation, creative thinking, a critical viewpoint of human institutions and values, and the ability to write effectively.

The Pre-Law advisor assists students in designing their pre-law curriculum and advises them regarding law school admission requirements, and post-law school legal opportunities. Through contact with the Law School Admission Council, the Pre-Law Advisor maintains copies of the Law School Admission Bulletin which provides information about the Law School Admissions Test (LSAT), an objective examination offered four times each year, required by virtually all Schools of Law in the United States.

Pre-law students should develop an educational program that meets the student’s individual needs and interests and prepares him or her for the pursuit of a legal education.

Saint Louis University’s undergraduate Phi Alpha Delta fraternity is an organization open to all pre-law students. In 1988 and 1994 it was named Pre-Law chapter of the year in national competition. It is moderated by the Pre-Law Advisor and conducts LSAT “prep” courses four times a year to familiarize students with LSAT procedures through sample test questions. A series of law-related programs are also sponsored, and the Advocate, a monthly newsletter of activities on campus, is distributed.

Starting in 1988, the Saint Louis University mock trial teams have been invited to the American Mock Trial Association’s intercollegiate finals, held each spring in Des Moines, Iowa. After many years of placing in the top ten, in 1996 SLU’s team, won first place in its division.

The Saint Louis University School of Law is one of the 178 institutions of legal education approved by the American Bar Association. It works closely with the Pre-Law Program.

For further information, consult the Pre-Law Advisor, Dr. Charles Fleener, Shannon Hall, 119.

The Pre-Law Scholars Program
Charles Fleener, Ph.D., Director

This program is available only to incoming freshmen interested in Pre-Law studies. Qualified candidates for this program must have a combined (verbal plus mathematics) SAT score of at least 1200, a minimum composite ACT score of 28, or be in the top 5% of their high school graduating class. Interested students who are eligible are required to attend a special orientation given by the Director of Pre-Law Studies and the Dean of the Law School.

Eligible students must elect to take part in this program only in the Fall semester, at the beginning of their freshman year. The program is not available to transfer students or to freshmen at any other time of the year.

The curriculum in the program for freshmen and sophomore years is outlined below. Any changes in courses in this curriculum require the specific approval of the Director of Pre-Law Studies. Advanced Placement and 1818 Advanced College Credit may apply to courses in this curriculum; however, a course substitution policy will be followed. Substitute courses will be chosen with the consultation and approval of the Pre-Law Director.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ECN-B190</td>
<td>Principle of Economics with Laboratory</td>
</tr>
<tr>
<td>ENG-A190</td>
<td>Adv. Strategies of Rhetoric and Research</td>
</tr>
<tr>
<td>ENG-A200</td>
<td>300/400 level, two literature courses</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>A100 Approaching the Arts</td>
</tr>
<tr>
<td>HS-A111</td>
<td>and 112 Origins of the Modern World</td>
</tr>
<tr>
<td>MTA-120</td>
<td>College Algebra or equivalent</td>
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<tr>
<td>Natural Science</td>
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<tr>
<td>PL-A105</td>
<td>Historical Introduction to Philosophy</td>
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<tr>
<td>PL-A205</td>
<td>Ethics</td>
</tr>
<tr>
<td>PLS-A291</td>
<td>Foundations of Law</td>
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<tr>
<td>RM-A110</td>
<td>Introduction to Inferential Statistics</td>
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<tr>
<td>Social Science</td>
<td></td>
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<tr>
<td>TH-A100</td>
<td>and 200 level courses</td>
</tr>
</tbody>
</table>

Total hours 51

The following courses should be taken in the first/second years by Pre-Law Scholars who are students in the School of Business and Administration:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ACC-B220</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>ACC-B222</td>
<td>Managerial Accounting</td>
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<tr>
<td>DSC-B207</td>
<td>Introduction to Business Statistics</td>
</tr>
<tr>
<td>ECN-B190</td>
<td>Principles of Economics</td>
</tr>
<tr>
<td>ENG-A190</td>
<td>Adv. Strategies of Rhetoric and Research</td>
</tr>
<tr>
<td>History, Political Science or Sociology</td>
<td>6</td>
</tr>
</tbody>
</table>
MIS-B200 Management Information Systems ........................................ 3
MTA120 College Algebra ................................................................. 3
MTA132 Survey of Calculus .............................................................. 3
Natural Science .................................................................................... 6
PL-A105 Historical Introduction to Philosophy ....................................... 5
PL-A205 Ethics .................................................................................... 3
PLSA291 Foundations of Law ......................................................... 3
PSYA101 General Psychology .............................................................. 3
THA100 Theological Foundations ....................................................... 3

Total hours 51

In order to remain in this program the student must, at the
close of freshman year (30 semester hours), have an official
grade point average of at least 3.50. At the end of the sopho-
more year (60 semester hours) the cumulative average must be
3.40 or above. Transfer credits acquired between freshmen and
sophomore years will not be considered part of these averages,
nor will courses taken in transfer between these years be per-
mitted to substitute for the required curriculum. Grades for
transfer courses and 1818 Advanced College Credit courses are
not computed into these grade averages; however, credit for
these courses does apply toward graduation.

Pre-Law Scholars may not withdraw from any course once the
semester has started, nor may they receive an "I" (incomplete)
for any course.

The student successfully completing the program with the
required cumulative average of 3.40 or above, will be interview-
viewed by the Pre-Law Director and subsequently his/her name
will be submitted to the Dean of the Saint Louis University
School of Law, during the summer following the sophomore
year. Students will be notified of acceptance prior to beginning
their junior year.

Specific requirements of the junior and senior years are: 1) to
maintain a cumulative GPA of 3.40 or above, 2) to take the LSAT examina-
tion, and 3) to complete their bachelor’s degree program in the
College of Arts and Sciences or the School of Business and
Administration.

For further information, contact Dr. Charles Fleener, Director
of Pre-Law, Shannon Hall, Room 119, (314) 977-2908.

Preprofessional Health Studies
Donald Schreweis, Ph.D., Director

Preprofessional Health Studies is a university-wide program
administered through the College of Arts and Sciences with a
curriculum which meets the needs of students preparing for
admission into a variety of health professions schools.

Preprofessional Health students major in an academic discipline
in addition to completing the preprofessional health studies
curriculum. The basic science courses comprising this curricu-
um are suitable preparation for entry into many professional
areas: Medicine, Dentistry, Osteopathy, Optometry, Veterinary
Medicine, Podiatry, and Pharmacy. Students officially accepted
by Saint Louis University Office of Undergraduate Admission
are eligible to begin a curriculum preparatory to one of these
health professions. In order to receive special program academic
advising through the Academic Services Center and the
Office of Preprofessional Health Studies the student must
indicate, as part of the application process, an interest in one of
the pre-health curricula.

During the freshman year preprogram, exception Medical
Scholars, students will be advised by pre-health professions
advisors in the Academic Services Center. After 30 semester
hours at Saint Louis University, students who achieve at least
3.00 cumulative grade point averages (overall total and

math/science) will probably declare their major, have a major
departmental faculty advisor, and will be further advised
through the Office of Preprofessional Health Studies.

Students completing the minimum pre-health professions cur-
riculum are better prepared to take the appropriate admission
test as part of the application process for professional school.
There are approximately 600 students (freshmen through
seniors) involved in the pre-health professions curriculum.

This program for premedical, pre-dental, and other pre-health
professions students stresses personal contact with faculty
advisors, advisors in the Academic Services Center, and the
Director and Assistant Director of Preprofessional Health
Studies. The latter two offices have responsibility for advise-
ment related to the student’s overall degree requirements and
career choices.

The Office of Preprofessional Health Studies and the Prehealth
Committee on Evaluations extend their services to students
interested in the health professions previously mentioned. The
Committee is composed of the Director of Preprofessional
Health Studies and volunteer faculty members representing
biology, chemistry, physics, mathematics, humanities, social
sciences, allied health professions and biomedical engineering.
The Committee sends an overall evaluation letter to schools
of the student’s choice, which replaces individual letters of
recommendation sought from faculty. The evaluation process
through this Committee begins early in the junior year - two
years prior to the anticipated date of entrance to professional
school. Saint Louis University’s record for placing graduates of
its premedical program exceeds the national average (currently
about 40%). The range of acceptance for the years 1978
through 2000 has been 59 to 92% of first time applicants.

Application to professional school is completed one year in
advance of the expected date of matriculation. Within the first
two years, the student must complete the following required
courses in basic sciences that satisfy the majority of medical
and other professional schools:

Requirements for Preprofessional Health Studies students include:

BLA104/106 Principles of Biology .................................................. 8
One advanced course in biology ....................................................... 3-5
CH-A161/162 Introduction to Chemistry .......................................... 8
CH-A342/344 & 543/545 Principles of Organic Chemistry ................. 8
PH-P131/132 & 133/134 General Physics ......................................... 8
MTA142 Analytic Geometry and Calculus I .................................... 4

In addition to required courses, students are encouraged to take
at least three upper division biology and chemistry courses.

Recommended courses include:

Cellular Biochemistry and Molecular Biology
Cellular Structure and Function
General Physiology
Comparative Anatomy, Embryology or Histology
Quantitative Analysis
Physical Chemistry

Students are encouraged to take a balanced combination of
natural science, language, social science, humanities, and general
liberal arts (15-18 credit hours per semester). The suggested
selection of courses for the beginning student is made on the
basis of high school aptitude and achievement, class rank, and
previous humanities and science courses. Pre-health professions
students are encouraged to acquire a strong background in the
humanities, selecting courses in which development of commu-
nication skills and verbal reasoning are stressed. Students are
encouraged to complete a summer internship.
Typical course of study

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>BL-A104</td>
<td>BL-A106</td>
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<tr>
<td>CH-A161</td>
<td>CH-A162</td>
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<tr>
<td>College Algebra</td>
<td>Pre-calculus</td>
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<tr>
<td>Core ENG-A190</td>
<td>Core: HS-A111</td>
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<td>Core: PL-A105</td>
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<td><strong>SOPHOMORE</strong></td>
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<td>CH-A342</td>
<td>CH-A345</td>
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<tr>
<td>CH-A344</td>
<td>CH-A345</td>
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<tr>
<td>Course in Major</td>
<td>Course in Major</td>
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<tr>
<td>Core: HS-A112</td>
<td>Core: PL-A205</td>
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<tr>
<td>Core: TH-A100</td>
<td>Core: English Lit</td>
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<tr>
<td>MT-A142</td>
<td>Upper Division</td>
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<tr>
<td>17-18 Biology Course</td>
<td>16-17</td>
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<td><strong>JUNIOR</strong></td>
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<tr>
<td>PH-P131</td>
<td>PH-P133</td>
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<td>PH-P132</td>
<td>PH-P134</td>
</tr>
<tr>
<td>Course in Major</td>
<td>Course in Major</td>
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<tr>
<td>Core: Eng. Lit.</td>
<td>Core: Foreign Lang</td>
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<tr>
<td>Core: Foreign Lang</td>
<td>Core: Social Science</td>
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<tr>
<td>Core: Social Science</td>
<td>Core: PL-A300/</td>
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<tr>
<td>16-18 400 level</td>
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<tr>
<td><strong>SENIOR</strong></td>
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<tr>
<td>Course in Major</td>
<td>Course in Major</td>
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<tr>
<td>Elective</td>
<td>Senior Residence</td>
</tr>
<tr>
<td>Core: TH-A200 level</td>
<td>Core: TH-A300 level</td>
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<tr>
<td>Core: For. Lang.</td>
<td>Core: Fine Arts</td>
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<tr>
<td>Core: Cultural Diversity</td>
<td>Elective</td>
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<td>Elective</td>
<td>Elective</td>
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<td>18</td>
<td>15-17</td>
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Total hours required for graduation: 120 (minimum)

Special Program for Premedical Students
Donald Schreiwies, Ph.D., Director

The Medical Scholars Program
The Medical Scholars Program gives particular recognition to beginning freshmen premedical students. The academically qualified beginning freshman is invited to the Medical Scholars Program and makes the personal decision to become a member of the Program. Medical Scholars are advised in the Office of Preprofessional Health Studies. Successful personal and academic achievement and application to the School of Medicine results in serious consideration for an acceptance notice from the Admissions Committee of the Saint Louis University School of Medicine. The consideration and notice will be given prior to the beginning of the junior (third) year of continued undergraduate studies in either, the College of Arts and Sciences, the College of Allied Health Professions or Parks College.

Acceptance to the School of Medicine, when given, is for the year following completion of undergraduate work and awarding of the bachelor's degree.

Students completing this curriculum may be qualified for early acceptance by Saint Louis University School of Medicine. This program is available only by invitation from the Director of Preprofessional Health Studies to new freshmen interested in premedical studies. Qualified candidates must have at least an SAT total of 1320, or at least a 30 ACT Composite (average) score, according to the national norms for college-bound students, and completion of one year of high school biology, one year of high school chemistry, and three years of mathematics through trigonometry. Participants must be able to meet the minimum "Technical Standards" set by the School of Medicine. The standards may be viewed at http://medschul slu.edu/admission/. Interested students who are eligible are required to attend a special orientation given by the Director of Preprofessional Health Studies, the Dean of Admissions of the School of Medicine, and the Dean or Associate Dean of the College of Arts and Sciences. This meeting will occur during the first weeks of the freshman year.

Eligible students must elect to take part in this program only in the Fall, at the beginning of their freshman year. The program is not available to transfer students or to freshmen at any other time of year.

The curriculum in the program, for freshman and sophomore years, is outlined below. Any changes in courses in this curriculum require the specific approval of the Director of Preprofessional Health Studies, the College of Arts and Sciences, and the School of Medicine. Advanced Placement and 1-8-1-8 credit may apply to courses in this curriculum; however, a strict course substitution policy will be followed. For example, if Introduction to Chemistry has been completed in the 1-8-1-8 Program, another chemistry course, such as Qualitative Analysis, must be substituted.

In order to remain in this program the student must, at the close of the freshman year (30 semester hours minimum), have official grade point averages of at least 3.40 in 1) sciences/mathematics, and 2) accumulative (overall GPA). At the end of the sophomore year (60 semester hours minimum) the cumulative average grades in these same areas must be at or above 3.4/3.5 respectively or above. Credits acquired between freshman and sophomore years will not be considered part of the 60 semester hours total, nor will courses taken in transfer between these years be permitted to substitute for the required curriculum. All science and mathematics courses must be taken at Saint Louis University. Grades for transfer courses and 1818 courses are not computed into these average; however, the credit for these courses does count toward graduation.

Prerequisites for participation in the Medical Scholars Program:
By invitation;
- ACT composite score of 30 or higher
- SAT scores of at least 1320
- Excellent high school record

Required courses for the Medical Scholars Program:
(Students especially qualified because of either ACT or SAT scores may receive invitation to the University Honors Program. Appropriate course substitutions will be made for these students.)

<table>
<thead>
<tr>
<th>First Semester</th>
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<tr>
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<tr>
<td>CH-A161</td>
<td>CH-A162</td>
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<tr>
<td>Mathematics*</td>
<td>Core elective</td>
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<td>ENG-A190**</td>
<td>Optional elective</td>
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<td>17-18</td>
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<td><strong>SOPHOMORE</strong></td>
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<td>CH-A342</td>
<td>CH-A343</td>
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<tr>
<td>CH-A344</td>
<td>CH-A345</td>
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<tr>
<td>BL-A300/400 level</td>
<td>Mathematics*</td>
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<td>4-5</td>
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</tbody>
</table>
If a student who has been accepted into Saint Louis University School of Medicine through participation in the Medical Scholars Program should decide to apply to other medical schools, this early acceptance will be withdrawn. If such a student wishes to be reconsidered for admission to this School of Medicine, he or she may follow the regular application process.

For further information on the Premedical Program or other Preprofessional Health Programs, and the preprofessional health studies curriculum, contact Dr. Donald Schreiweis, Director, Academic Resources Center, Suite 210, (314) 977-2840, e-mail: schreiweisdo@slu.edu or visit the Preprofessional Health Studies WEB Page at http://www.slu.edu/colleges/AS/phs/HomePage.html

**Center for Medieval and Renaissance Studies**

David T. Murphy, Ph.D., Director

The Saint Louis University Center for Medieval and Renaissance Studies was founded in 1992 as an interdisciplinary research and teaching institute that combines the resources of the departments of English, Fine and Performing Arts, History, Modern and Classical Languages, Philosophy, Political Science, and Theological Studies, a collaboration built around the collections of the Vatican Film Library. The Center offers an Undergraduate Certificate in Medieval Studies and Graduate Certificates in Medieval and Renaissance Studies. In addition, the Center sponsors or co-sponsors lectures, seminars, conferences, workshops and research opportunities both on campus and through the Newberry Library Consortium. The Center's Director and affiliated faculty are available to help students fashion independent programs of study and research within the context of their respective major departments.

**Saint Louis University in Spain (Madrid Campus)**

Saint Louis University in Spain offers students the opportunity to participate in an intercultural experience in the Spanish capital. The program's first objective is to provide students with an academic program comparable in quality to that available on the home campus within the context of cultural diversity. To this end, courses are taught in Spanish and English by faculty holding U.S. and European degrees and, on occasion, by visiting professors from the home campus.

The second objective is that participants learn as much as possible about the host country and develop an understanding of the differences between Spanish culture and their own. Thus, the program includes provisions for the systematic observation of a foreign society, stresses the values of cross-cultural contacts and emphasizes fluency in English for native Spanish speakers and fluency in Spanish for native English speakers.

Two types of students enroll in this program: Spanish students who begin college in Spain and afterwards transfer to the home campus for the completion of their undergraduate degree; and American students, typically in their junior year, who take regular academic and language courses.

In addition to the core curriculum, courses are offered in other areas including: Communication, Computer Science, Economics, English Literature, Engineering, Finance, History, International Business, Political Science, and Spanish Literature and Art.

Applications must be submitted early, normally two months prior to the beginning of the semester. For more information, contact the International Center Office, DuBourg Hall 150, or call (314) 977-2318, or Web Site: http://Spain.slu.edu

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**Required in the Junior and Senior Years:**

1. Completion of the Physics sequence.
2. Maintain a 3.50 overall cumulative average and a 3.40 science/mathematics cumulative average (all four years).
3. The Medical College Admission Test (MCAT) to be taken at prescribed time.
4. MCAT Scores do not affect acceptance; however, Medical Scholars are expected to make an effort to achieve a high score.
5. Completion of the undergraduate liberal arts degree program with a major in the College of Arts and Sciences or the School of Allied Health Professions (Clinical Laboratory Science and Investigative Medical Sciences, only) or Parks College (Biomedical Engineering and Physics only).
6. Minimum of 30 credit hours each year.

Students in the Medical Scholars Program are not allowed to withdraw from courses, take courses pass/fail, or receive incomplete grades.

In the sophomore year, the Pre-Health Committee on Evaluations will evaluate students. These evaluations will be maintained in the Office of Preprofessional Health Studies and kept in preparation for application to the School of Medicine. A member of the Pre-Health Committee on Evaluations will interview the student successfully completing the program with the required cumulative averages. An evaluation will be prepared by the Committee and submitted to the School of Medicine upon the student's written request. This evaluation contains the following documents: 1) letter of evaluation prepared by the Committee, 2) a personal essay, "Why I Want to be a Physician," and 3) a Personal Statement. The Office of Preprofessional Health Studies will also send appropriate application materials to the Admissions Committee.

The above materials will be submitted to the Dean of Admissions, Saint Louis University School of Medicine, during the summer following the sophomore year. The Admissions Committee of the School of Medicine will conduct interviews, and applicants will receive a response from the School of Medicine by the beginning of the junior year concerning admission.

Students' responsibilities and options relative to the junior and senior years of undergraduate studies will be the subject of another required special orientation. The Director of Preprofessional Health Studies will conduct this orientation. Basic requirements of the junior and senior years must include:

1. completing the Physics sequence,
2. maintaining the cumulative 3.4/3.5 averages previously described,
3. taking the MCAT at the prescribed times, and
4. completing the undergraduate, liberal arts degree program with a major in the College of Arts and Sciences, the School of Allied Health Professions or Parks College.

During the junior and senior years students are encouraged to pursue course work in the humanities, liberal arts, and social/behavioral sciences, in addition to the natural sciences.

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HS-A111** ............. 3 TH-A100** ............. 3
PL-A105** ............. 3 Core elective ............. 3
Optional elective ............. 3 Optional elective ............. 3
17-18 16-17

* The minimum mathematics requirement for this program and for the majority of medical schools is the completion of MT-A142 Analytic Geometry and Calculus I.

** Required completion by the end of Sophomore year.
1818 Advanced College Credit Program
Gayle Rogan, Director
DuBourg Hall 155

Saint Louis University, in cooperation with selected area high schools, offers accredited courses at advanced levels to challenge superior junior and senior high school students.

The program is conducted and administered by the College of Arts and Sciences. Advanced courses in 19 disciplines are taught by adjunct instructors in participating high schools and students may earn up to 50 credit hours toward college graduation.

For further information, contact the Office of the 1818 Advanced College Credit Program, 221 N. Grand Blvd., St. Louis, MO, 63103, (314) 977-3142. E-Mail: 1818Admin@slu.edu

Certificate Programs

Certificate programs increase the flexibility of undergraduate education at Saint Louis University by offering students alternative approaches to education not normally available within a traditional university structure.

All certificate programs have one of two objectives. Some provide ancillary skills in such areas as business or language proficiency. Others offer a thematic approach to education.

Traditionally, undergraduate education has been structured according to specific disciplines - mathematics, sociology, history, philosophy, etc. Within a discipline, studies are of many different themes from a single perspective. In certificate programs, however, a single theme is examined from many different perspectives. The curricula of these programs consist of courses from several disciplines, each providing a different approach to one significant theme.

All University Certificates are designed to augment the traditional undergraduate experience and to provide additional career opportunities. With the exception of the language proficiency certificate programs, certificates require a minimum of 18 credits of course work, and will be awarded simultaneously with the bachelor’s degree. In some instances, a certificate may be granted after the bachelor’s degree has been awarded. A minimum 2.00 or “C” grade point average is required for completing all certificate requirements.

Certificate programs open to Arts and Sciences students are also available in other schools, such as Allied Health Professions and Social Services. For information concerning these, consult the Deans of the other schools.

For further information, contact the Dean’s Office or individual Program Directors. Requirements for each College of Arts and Sciences certificate program are listed below.

African American Studies
Karla Scott, Ph.D., Director
Xavier Hall 325

The African American Studies Program offers a certificate with the following requirements

Required Courses:
AAM-200 Introduction to African American Studies ................. 3
AAM-A201 Contemporary Black America ......................... 3
AAM-A300/400 Level Course ................................. 3

AAM-A496 Capstone Course .................................... 3

Elective Courses:
- Interdisciplinary courses taught by African American Studies or any department with an inclusion and/or emphasis on the African Diaspora

- Hours needed for completion of certificate program ........ 21

The certificate in African Studies can be completed in coordination with any major in the College of Arts & Sciences. In addition the University also offers a contract degree option in the College of Arts & Sciences.

Classical Humanities
Rev. Claude Pavur, S.J., Director
Department of Modern and Classical Languages, Ritter Hall 200A

Required Courses (9 hours selected from):
- Option 1
  - GK-A110 Reading Greek I ...................................... 3
  - GK-A115 Reading Greek II ................................... 3
  - GK-A210 Intermediate Greek: Language & Literature ........ 3

- Option 2
  - LF-A110 Reading Latin I ........................................ 3
  - LF-A115 Reading Latin II ...................................... 3
  - LF-A210 Intermediate Latin: Language & Literature ........ 3

Additional Requirements (12 hours selected from):
- Any course in original Latin or Greek, Classical Languages courses; any course from other approved departments dealing with Greek or Roman antiquity.

Classical Languages: Greek or Latin
Rev. Claude Pavur, S.J., Director
Department of Modern and Classical Languages, Ritter Hall 200A

Certificate in Greek (21 hours total)
Required Courses:
- GK-A110 Reading Greek I ...................................... 3
- GK-A115 Reading Greek II ................................... 3
- GK-A210 Intermediate Greek: Language & Literature ........ 3
- Any upper division course in Greek ........................ 3
- "Any courses in original Greek ................................ 9"

* These nine hours may be replaced with either nine hours selected from courses offered in the Department of Modern and Classical Languages or with nine hours of courses dealing with Greek or Roman antiquity selected from history, art, philosophy, theological studies, or another approved area, with the consent of the director of the Classical Languages Certificate Program.

See department listings for course descriptions.

Certificate in Latin (21 hours total)
Required courses:
- LF-A110 Reading Latin I ........................................ 3
- LF-A115 Reading Latin II ...................................... 3
- LF-A210 Intermediate Latin: Language & Literature ........ 3
- Any upper division course in Latin .......................... 3
- "Any courses in original Latin ................................. 9"

* These nine hours may be replaced with either nine hours selected from courses offered in the Department of Modern
and Classical Languages or with nine hours of courses dealing with Greek or Roman Antiquity selected from history, art, philosophy, theological studies, or another approved area, with the consent of the director of the Classical Languages Certificate Program.

See department listings for course descriptions.

**Creative and Professional Writing**

Avis E. Meyer, Ph.D., Co-Director  
Department of Communication, Xavier Hall  
Paul Acker, Ph.D., Co-Director  
Department of English, Humanities Building

The Creative and Professional Writing Certificate is a cooperative program between the Departments of Communication and English. It consists of 18 hours of course work and is open to all majors. However, Communication majors enrolled in this certificate program must take nine hours in the English Department. English majors must take nine hours in the Communication Department. Other majors are encouraged to take a balance of course work in both Departments.

Required (18 hours from the following 3-credit hour courses):

- CMM-A210 Journalism: News Writing
- CMM-A311 Feature Writing
- CMM-A312 Audio Visual Script Writing
- CMM-A313 Editorial and Opinion Writing
- CMM-A314 Essay Writing
- CMM-A361 Writing for Public Relations
- CMM-A415 Nonfiction Writers' Workshop
- CMM-A416 Editing
- ENG-A303 Intro. Non-Fiction Writing
- ENG-A304 Intro. Fiction Writing
- ENG-A305 Intro. Poetry Writing
- ENG-A307 Creative Writing: Special Topics
- ENG-A400 Business and Professional Writing
- ENG-A405 Advanced Poetry Writing
- ENG-A406 Advanced Fiction Writing
- ENG-A407 Advanced Creative Writing: Drama
- ENG-A408 Advanced Non-Fiction Writing
- ENG-A409 Advanced Creative Writing: Special Topics

See Communication and English Department listings for course descriptions.

**Film Studies**

Jean-Louis Pautrot, Ph.D., Director

The Film Studies Certificate is an interdisciplinary certificate developed by film scholars from various departments of the College of Arts & Sciences.

Film Studies is an 18 hour certificate program in the College of Arts & Sciences that offers students an interdisciplinary education in the many aspects of cinema as they are reflected in fine & performing arts, communication, contemporary criticism, history and languages and cultures. The program is designed for students who wish to acquire a solid knowledge in film history and analysis. Its interdisciplinary character enables students to encounter film as a recent yet powerful art form, and to gauge its contribution to human cultures.

The interdisciplinary nature of this program is consistent with today's world as a multifaceted, multi-mediated, and multi-cultural environment. One of the main benefits of this program would be for students to develop a documented perspective on this world. A concentration in film, combined with other concentrations, might interest many different sorts of companies.

Career opportunities include:
- Film studies at the graduate level, whether film criticism or film production
- Media studies at the graduate level
- Advertising
- Lawyers who eventually specialize in entertainment, media, or the Internet
- High Tech business functions, such as internet marketing or web design.

**Typical Course of Study**

Note: required courses should be taken early in the course of studies, but may be taken concurrently with electives

**Required Courses (6 hours selected from)**

- ARHA-100 Approaching the Arts – Art & Film
- CMMA-140 Film Criticism
- ENGA-332 Literature and Film

**Electives (9 hours selected from qualifying courses such as)**

- CMMA-312 Audio Visual Script Writing
- CMMA-440 Mass Communication and Society
- CMMA-443 Culture, Technology and Communication
- ENGA-414 American Documentary
- ENGA-417 American Film History
- ENGA-419 Beyond Hollywood: Woody Allen, Spike Lee, Martin Scorsese
- HSA-360 American History in Film
- FRA-465 French Cinema II – 80’s-90’s
- GR-A435 German Film
- IT-A293 Italian Cinema
- SPA-457 Spanish American Literature & Film
- FRA-461 French Cinema
- FSA-485 Film Studies Capstone Course

(Capstone to be taken during last semester.)

**Forensic Science**

Richard P Selzer, Ph.D., Director  
Forensic Science Program  
Department of Sociology and Criminal Justice  
Fitzgerald Hall 212

The certificate in Forensic Science is available to any major and is designed to prepare students to work in either criminal investigations or a crime laboratory. The certificate consists of between 21 and 28 hours of course work (depending on the student’s major), which includes six hours of practicum placement. The fieldwork placements are typically at agencies performing crime scene investigations and in crime labs. Required courses include the following:

**For Science Majors**

- SC-A190 Introduction to Criminal Justice
- SC-A230 Introduction to Forensic Science
- SC-A370 Law Enforcement
- SC-A439 Criminal Law and Procedure
- SC-A446 Criminal Investigations
- SC-A400 Fieldwork Practicum

**For Criminal Justice Majors**

- BL-A293-01 Forensic Biology
- CH-A220 Chemistry and Crime
- SC-A320 Introduction to Forensic Science
- SC-A439 Criminal Law and Procedure
- SC-A446 Criminal Investigations
- SC-A400 Field Work Practicum

**For All Other Majors**

- BL-A293-01 Forensic Biology
- CH-A220 Chemistry and Crime
SCA190 Introduction to Criminal Justice .................. 3
SCA320 Introduction to Forensic Science ................ 3
SCA370 Law Enforcement ........................................ 3
SCA439 Criminal Law and Procedure ..................... 3
SCA446 Criminal Investigations ................................. 3
SCA400 Fieldwork Practicum .................................. 6

See department listings for course descriptions.

**General Language Proficiency**

The Department of Modern and Classical Languages offers certificates in general language proficiency in French, German, Russian and Spanish. Required courses to be taken in the language of concentration include: 110, 115, 210, 310, 315, 410 and 415. A final oral proficiency examination is required. See department listings for course descriptions.

**Italian Studies**
Simone Bregni, Ph.D., Director
Ritter Hall 333

**Required Courses (12 hours)**
ITA-110 Communicating in Italian I .......................... 3
ITA-115 Communicating in Italian II ....................... 3
ITA-210 Intermediate Italian: Language & Culture .......... 3
Any upper division course in Italian ........................... 3

**Additional Requirements (9 hours)**
9 credit hours of additional requirements in courses relating to Italian Culture.

During their last semester, students register for ITA-A490 - Italian Studies Capstone Paper, for zero credits.

Total hours: 21

The language sequence 110, 115, 210 fulfills the three-semester language requirement for the College of Arts and Sciences. Courses relating to Italian culture are taught in English and typically include courses in cinema, literature, and culture. There are also courses offered in other departments, whose focus is either specifically on Italian cultural, historical, and artistic issues, or on general linguistic issues as well.

See department listings for course descriptions.

All courses at Saint Louis University that stress Italian writers or studies in the Italian or Italian-American tradition, may be proposed for inclusion (e.g., courses on the history of Italian immigration, or on Italian Jewish communities and the holocaust, on the transmission of Petrarchism in Renaissance Literature, etc.). Courses from among this second class are countable for the certificate only with the approval of the Department of Modern & Classical Languages.

**Medieval Studies**
David T. Murphy, Ph.D., Director
Center for Medieval and Renaissance Studies
Humanities Building 317

The certificate calls for a total of 21 hours of undergraduate credit, consisting of one-credit introductory course, a three-credit Latin component, five three-credit courses in various disciplines, and a two-credit capstone course. In schematic display, the requirements are as follows:

MR-A200 Introduction to Medieval Studies .................. (1)
ITA-210 Intermediate Latin (or higher) ...................... (1)

One three-credit course chosen from each of five of the following six disciplines:
MR-XXXX Medieval Art History ...................... 3
MR-XXXX Medieval Literature ............................. 3
MR-XXXX Medieval History ................................ 3
MR-XXXX Medieval Philosophy .......................... 3
MR-XXXX Medieval Political Science ..................... 3
MR-XXXX Medieval Theology .............................. 3

MR-XXXX Medieval Synthesis .............................. 2

Total hours: 21

The complete program description and courses appear in Department listings; see “Medieval Studies.”

**Micah House**
Donald Stump, Ph.D., Director
Xavier Hall, 325

The Micah House Program offers students opportunities to take interdisciplinary courses on social issues, to perform community service among the poor and disadvantaged, and to develop leadership skills. As part of the program, students have the option of pursuing a certificate in Community Service, Social Justice, and Peace in the American City. Students studying for the certificate explore urban and social problems in courses drawn from a variety of disciplines, including Philosophy, Theology, Psychology, Public Policy Studies, Social Work, Sociology and English. Most certificate programs require community service in the Shaw Neighborhood near the University’s Health Sciences Campus. Students in the program also engage in an enriched set of co-curricular activities, including speakers, social events, large-group service activities, and small-group discussion and reflection meetings.

**Requirements:**

1. At least 23 of the 18 hours required for the certificate must be earned in courses in the Micah House Freshman-Year Project or in courses listed as Primary Offerings in the Companions Project. At least 12 hours must be at the 200 to 400 level.
2. Students must include at least 3 hours in Theology or Philosophy at the 200 to 400 level, selecting courses from the Primary or Secondary Offerings of the program.
3. Students must also include at least 3 hours in Psychology, Sociology, Political Science, Public Policy Studies, or Social Work at the 200 to 400 levels, again selecting courses from the Primary or Secondary Offerings of the program.
4. All students must complete MH-A490: Senior Practicum, which should be taken while the student has senior status.

A full description of the program and its courses appears in the department listings under “Micah House.”

**Political Journalism**
Jean-Robert Leguev-Feilleux, Ph.D., Co-Director
Department of Political Science, Fitzgerald Hall 217
Avis E. Meyer, Ph.D., Co-Director
Department of Communication, Xavier Hall 300

The Political Journalism Certificate is a cooperative program of the Departments of Communication and Political Science. It is open to all majors, including Communication and Political Science. The Certificate consists of 15 hours in each Department, plus 12 hours in related areas, as follows:

**Required Courses (42 hours)**

*Communication
CMM-A210 Journalism: News Writing ...................... 3
And four of the following Communication courses
CMM-A311 Feature Writing ........................................ 3
CMM-A312 Audiovisual Script Writing .......................... 3
CMM-A313 Editorial & Opinion Writing ...................... 3
CMM-A314 Essay Writing .......................................... 3
CMM-A342 Literary Journalism .................................. 3
CMM-A347 Political Communication .......................... 3
CMM-A415 Nonfiction Writing ................................... 3
CMM-A416 Editing .................................................. 3
CMM-A417 Rhetoric of Political Campaigns ................. 3
CMM-A491 Internship with University News ................ 3
POL-A110 American Politics ..................................... 3
POL-A220 Intro. to State and Local Politics ................ 3
POL-A340 Intro. to Public Administration .................... 3
Additional Political Science electives ......................... 6
Additional electives from at least three areas
other than Communication & Political Science .......... 12**

See department listings for course descriptions.

Russian and East European Studies
Daniel Schlafly, Jr., Ph.D., Director
Department of History, Humanities 107

The Russian and East European Studies Program provides interdisciplinary study of the former Soviet Union and Central and Eastern Europe, combining language, literature, politics, history, philosophy, and other subjects. Students earn a certificate in addition to one or more departmental majors and are prepared for careers in government, business, and academic fields, as well as for graduate study.

Required courses:
HS-A329 History of Russia since 1905 .......................... 3
HS-A316 History of Eastern Europe ............................ 3
PL-A474 Philosophy of Karl Marx ............................... 3
POL-A253 Soviet and Post-Soviet Politics .................. 3
RU-A310 Oral and Written Proficiency in Russian I ....... 3
RU-A315 Oral and Written Proficiency in Russian II ...... 3

Electives:
At least 12 hours related to the field chosen with the approval
of the Director. These must be 200 level or above (300 level or
above for Russian courses):
HS-A303: History of the Byzantine Empire .................. 3
HS-A328: History of Russia to 1905 ............................ 3
HS-A355: U.S. Diplomatic History Since 1945 ............... 3
POL-A350: Russian Political Culture ......................... 3
POL-A351: Rebirth of Democracy ............................... 3
POL-A352: Communism .......................................... 3
RU-A420: Topics in Russian Literature ....................... 3
RU-A325: Russian Culture and Civilization ................ 3
RU-A410: Fluency in Russian .................................... 3
Other courses related to the field also may be used.
Total Required Hours: 30

See department listings for course descriptions.

Women’s Studies
http://www.slu.edu/colleges/AS/WS/
Eloise Boker, Ph.D., Director
Fitzgerald Hall 107

Requirements (18 hours):
WS-A197 Introduction to Women’s Studies .................. 3
WS-A405 Women’s Studies Capstone Course ................. 3
Women’s Studies courses: Electives ......................... 12

The Women’s Studies Program will accept cross-listed courses for the Certificate or Major. These courses CAN count for “double duty” for the Women’s Studies Certificate and a Major or for Core Requirements.

Electives:
WS-A301 Women in Art (Cross-listed with Art History)  
WS-A342 Mary and Her Sisters (Cross-listed with Theology)  
WS-A353 Women & Political Leadership (Cross-listed Political Science)  
WS-A390 Feminist Theory: Gender Justice (Cross-listed with Political Science)  
WS-A416 Gender Studies (Cross-listed with English)  
WS-A418 Contemporary Women Writers in France/Quebec (Cross-listed with French)  
WS-A335 Psychology of Oppression (Cross-listed with Psychology)  
WS-A448 Jane Austen and Her Predecessors (Cross-listed with English)  
WS-A449 18th & 19th Century Women Writers (Cross-listed with English)  
WS-A611 Female Modernism (Cross-listed with English)  
WS-A477 Spanish Women Poets (Cross-listed with Spanish)

Major in Women’s Studies
The Women’s Studies Program offers an 30 hour major. This
includes four required courses and 18 additional hours.

African American Studies
Karla Scott, Ph.D., Director

African American Studies of Saint Louis University offers a 21-hour certificate program. The certificate program is open to all
students pursuing an undergraduate degree, regardless of race,
color, or national origin. Courses in African American Studies
may fulfill selected course requirements for the college of Arts
and Sciences. Saint Louis University also offers a contract degree
option through the College of Arts and Sciences.

The Certificate in African American Studies can be completed
in coordination with any major in the College of Arts and
Sciences. The University also offers a contract degree option
in the College of Arts and Sciences. For more information,
please refer to the section on “Requirements for Bachelor’s Degrees 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 their certificate.

As a part of the core requirements, students are encouraged
to study French, Spanish or Portuguese to satisfy the foreign
language requirement.

Required Courses:
AAM-A200 Introduction to African American Studies
AAM-A201 Contemporary Black America
AAM-A300/400 Course
AAM-A496

Electives:
Intercultural course work taught by African American
Studies, or by any department, with an inclusion and/or
emphasis on the African Diaspora.

Examples of Courses offered:
AAM-A373 BlackVoices (Cross listed with English)
AAM-A399 Human Sexuality-Black Community (Cross listed
with Sociology)
AAM-A433 Psychology of Oppression
American Studies
http://www.siu.edu/colleges/AS/amers/index.html
Matthew Mancini, Ph.D., Chair

Faculty:
Candy Gunther Brown, Ph.D.
Joseph Heathcott, Ph.D.
Elizabeth Kolmer, A.S.C., Ph.D.
Wynne W. Moskop, Ph.D.
Jonathan C. Smith, Ph.D.
Shawn Michelle Smith, Ph.D.

American Studies provides a systematically interdisciplinary approach to the historical study of the cultures of the United States. 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.

Major Requirements in American Studies (B.A.)
1. Departmental Core Courses (15 hours): ASTA301; ASTA302; ASTA391 OR 392; ASTA401; ASTA402
2. Fifteen additional hours of American Studies courses, or courses in other departments as approved by the student’s advisor. These courses should cohere around a thematic or disciplinary emphasis. At least six of these hours must be fulfilled by courses in the Department of American Studies.

Minor Requirements in American Studies
1. Departmental Core Courses (6 hours): ASTA301 and ASTA302
2. Twelve hours of American Studies courses.

Biology
Richard Mayden, Ph.D., Chair

Full-time Faculty:
Robert D. Aldridge, Ph.D.
Nevin Aspinwall, Ph.D.
Janet C. Barber, Ph.D.
Peter Bemhardt, Ph.D.
Barrie P. Bode, Ph.D.
Gerald R. Camilo, Ph.D.
Douglas E. Coulter, Ph.D.
Stephen J. Dina, Ph.D.
Jonathan J. Fisher, Ph.D.
Jack C. Kennell, Ph.D.
Wesley J. Leverich, Ph.D.
Shawn E. Nordell, Ph.D.
John G. Severson, Jr., Ph.D.
Susan A. Spencer, Ph.D.
William S. Stark, Ph.D.
Stuart I. Tsubota, Ph.D.
Thomas J. Valone, Ph.D.
Robert M. Wood, Ph.D.

Associated Faculty:
Preprofessional Health Studies
Donald O. Schreierweis, Ph.D.

Missouri Botanical Garden
Thomas B. Croft, Ph.D.
Peter Goldblatt, Ph.D.
Peter Raven, Ph.D.
Mick Richardson, Ph.D.

St. Louis Zoological Park
Cheryl S. Asa, Ph.D.
Joan E. Bauman, Ph.D.

The undergraduate curricula in the Department of Biology are diverse and will meet a variety of student-related interests in the rapidly expanding fields of the biological sciences. It is also designed to provide a broad but intensive educational experience for students in other disciplines who have an interest in biology. The department offers both undergraduate and graduate degrees. Students who pursue either a major or a minor in biology should be aware of the following requirements:

1. Students who wish to pursue a biology major or minor must earn a C or better in Principles of Biology I and II (BLA104 and 106) and Introduction to Chemistry I and II (CHA161 and 162), or their equivalent courses in transfer or by external credit.
2. Principles of Biology I and II (BLA104 and 106) and Introduction to Chemistry I and II (CHA161 and 162) are prerequisites for all upper-division (300- and 400-level) courses in biology.
3. As part of the B.A. and B.S. degree programs and in addition to the standard 12 upper-division hour Biology Core requirement for both degrees, a maximum of 3 and 4 semester hours of research (BLA498: Advanced Independent Study) can be included in the 13 and 16 upper-division Biology Elective hours requirement, respectively.
4. In accordance with Arts and Sciences graduation requirements, a student must earn an overall 2.00 grade point average in all major and minor (certificate or related) courses which are approved and required for completion of their degree program.

Field Station at Saint Louis University
The University’s Reis Biological Station is operated by the Department of Biology to promote environmental and biological education and research. The Reis Biological Station is located on the Huzzah Creek in the Ozarks near Steelville, MO and has 225 acres of upland, oak-hickory forest. The field station has a variety of aquatic and terrestrial communities and has well-equipped research and teaching laboratories, kitchens, dormitories and housing for visiting scientists. Summer classes are offered and the station is used for faculty and student research. The facilities are also used for a variety of special programs – conferences, training programs, workshops and retreats.

Biology (B.A.)

Required Biology Courses:
Evolutionary Biology (BLA301) 3
Principles of Genetics (BLA303) 3
Cellular Biochemistry & Molecular Biology (BLA302) 3
Cellular Structure and Function (BLA304) 3

A minimum of 25 upper-division credit hours in Biology is required, and at least one plant science course from the following list is required: Biology of Plants and Fungi (BLA326), Ethnobotany (BLA328), Plant Physiology (BLA349), Pollination
Biology (BL-A040), Plant Ecology (BL-A090), Biology and Classification of Orchids (BL-A042), Spring Flora of the Ozarks (BL-A047), or an equivalent plant science course approved by the Department. One course with a laboratory component is required.

**Required related courses:**
- Principles of Organic Chemistry I and II (CHA-342, 343 and 344, 345 or equivalent) ........................................ 8
- Pre-Calculus (MT-A141) .............................................. 3

**Recommended related courses:**
- General Physics (PH-P131) ........................................... 3
- General Physics II (PH-P133) ....................................... 3
- Calculus I (MT-A142) .................................................. 4
- Statistics (one semester) .............................................. 3

**Typical Course of Study**

It is recognized that the particular needs and interests of individual students vary widely. The accompanying typical course of study is intended to serve as a model around which a student may construct his or her own biology degree program. Indicated below are the Core and Biology degree requirements in a sample four-year course of study.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>FRESHMAN</td>
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<tr>
<td>BL-A104</td>
<td>BL-A106</td>
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<tr>
<td>CH-A161</td>
<td>CH-A162</td>
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<tr>
<td>MTA-120 or MTA-141</td>
<td>Core: Foreign Lang</td>
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<td>Core: ENG-A190</td>
<td>Core: Cult. Diversity</td>
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<tr>
<td>Core: Foreign Lang</td>
<td>Core: English Lit. 200 level</td>
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<td>SOPHOMORE</td>
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<td>BL-A302</td>
<td>BL-A304</td>
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<tr>
<td>CH-A342, CH-A344</td>
<td>CH-A343, CH-A345</td>
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<tr>
<td>Core: Foreign Language*</td>
<td>Core: Social Science</td>
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<tr>
<td>Core: PL-A105</td>
<td>Core: PL-A205</td>
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<td>Core: Eng. Lit. 300 level</td>
<td>Core: HS-A111</td>
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<td>JUNIOR</td>
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<tr>
<td>Plant Biology Elective</td>
<td>BL-A303</td>
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<tr>
<td>Core: HS-A112</td>
<td>Core: HS-A300/400-level</td>
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<tr>
<td>Core: Social Science</td>
<td>Core: TH-A200-level</td>
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<tr>
<td>Core: PL-A300/400-level</td>
<td>Core: Fine Arts</td>
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<td>Core: TH-A100</td>
<td>Biology Elective</td>
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<td>SENIOR</td>
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<td>BL-A301</td>
<td>BL-A495</td>
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<td>BL-A300/400-level</td>
<td>BL-A400-level</td>
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<tr>
<td>Core: TH-A300/400-level</td>
<td>Elective**</td>
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<td>15-17</td>
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</table>

Minimum total hours required for Graduation: 120

* An approved computer language course may satisfy the last 3 hours of the Foreign Language requirement.

** Electives recommended include General Physics I and II, Calculus I and Statistics.

**Biology (B.S.)**

**Required Biology Courses:**

Evolutionary Biology (BL-A301) ........................................... 3
Principles of Genetics (BL-A303) ..................................... 3
Cellular Biochemistry & Molecular Biology (BL-A302) .......... 3
Cellular Structure & Function (BL-A304) ........................... 3

A minimum of 28 upper-division hours in biology, excluding Senior Inquiry credit, is required. One of four Senior Inquiry options is also required. All B.S. students must take at least one course from any three of the following four categories (I, II, III, and IV below), including at least one plant science course from the following list: Biology of Plants and Fungi (BL-A326), Ethnobotany (BL-A328), Plant Physiology (BL-A449), Pollination Biology (BL-A404), Plant Ecology (BL-A409), Biology and Classification of Orchids (BL-A421), Spring Flora of the Ozarks (BL-A433), Plant Biochemistry (BL-A476), or an equivalent plant science course approved by the Department.

B.S. students must also have at least three laboratory experiences from any three of these four areas (I, II, III, and IV below). Courses which include laboratory as a zero hour component satisfy both a course and a lab requirement.

I. **Population/Evolutionary Biology**
   - General Ecology (BL-A340)
   - Biodiversity of Africa II (BL-A351)*
   - Sex, Evolution, and Behavior (BL-A401)
   - Pollination Biology (BL-A404)
   - Structure and Function of Ecosystems (BL-A406)
   - Plant Ecology (BL-A409)
   - Natural History of Vertebrates (BL-A410)
   - Natural History of Vertebrates Lab (BL-A411)*
   - Aquatic Ecology (BL-A420)
   - Cave Biology (BL-A432)
   - Systematic Biology (BL-A434)
   - Animal Behavior (BL-A436)
   - Animal Behavior Lab (BL-A437)*
   - Applied Ecology (BL-A440)
   - Ecological Risk Assessment (BL-A445)
   - Conservation Biology (BL-A448)
   - Population Biology (BL-A467)
   - Landscape Ecology (BL-A468)
   - Internship in Conservation (BL-A480)

II. **Systematic/Organismal Biology**
   - Biology of Invertebrates (BL-A322)
   - Ethnobotany (BL-A328)
   - Biology and Classification of Orchids (BL-A421)
   - General and Medical Entomology (BL-A424)
   - Biology of Amphibians and Reptiles (BL-A426)
   - Biology of Fishes (BL-A428)
   - Biology of Birds (BL-A431)
   - Spring Flora of the Ozarks (BL-A433)
   - Biology of Parasitic Organisms (BL-A435)

III. **Morphology/Physiology/Development**
   - Biology of Plants and Fungi (BL-A326)
   - Comparative Anatomy (BL-A342)
   - Embryology (BL-A344)
   - General Physiology (BL-A346)
   - General Physiology Lab (BL-A47)*
   - Plant Physiology (BL-A349)
   - Vertebrate Reproductive Physiology (BL-A402)
   - Comparative Animal Physiology (BL-A441)
   - Vertebrate Histology (BL-A444)
   - Exercise Physiology (BL-A446)
   - Electron Microscopy (BL-A447)
   - Introductory Endocrinology (BL-A450)
   - Behavioral Endocrinology (BL-A451)
   - Biology of Aging (BL-A455)
   - Developmental Biology (BL-A460)
IV. Cellular/Molecular Biology
- Cell Structure and Function Lab (BL-A300)*
- Experiments in Genetics (BL-A310)*
- Experimental Cell Biology (BL-A312)
- Nerve Cell Mechanisms in Behavior (BL-A415)
- Developmental Biology (BL-A460)
- Foundations of Immunobiology (BL-A465)
- General Microbiology Lecture (BL-A464)
- General Microbiology Lab (BL-A465)*
- Molecular Biology (BL-A470)
- Plant Biochemistry (BL-A476)*

* Satisfies Laboratory Requirement Only

Senior Inquiry Options Include:
- BL-A484 Library Project and Thesis .....................1-3
- BL-A485 Graduate Level Course in Biology ...............1-4
- BL-A488 Research Project ............................1-3
- BL-A489 Comprehensive Examination ................0

Required related courses:
- Principles of Organic Chemistry I and II ..................8
  (CH-A342, 344 and 345, 345, or equivalent)
- General Physics I and II (PH-P131 and 133) .............6
- Calculus I (MT-A142) ..................................4
- Statistics (one semester) ................................3

Recommended related courses:
- General Physics I Laboratory (PH-P132) .................1
- General Physics II Laboratory (PH-P134) .................1
- Calculus II (MT-A143) ..................................4

Typical Course of Study
It is recognized that the particular needs and interests of individual students vary widely. The accompanying typical course of study is intended to serve as a model around which a student may conduct his or her own program. Indicated below are the Core and Biology degree requirements in a sample four-year course of study.

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<td>MTA142</td>
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<td>Core: ENG-A190</td>
<td>Core: Social Science ....................................3</td>
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<td>Core: English Lit. 200-level ................................3</td>
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<td><strong>SOPHOMORE</strong></td>
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<td>BL-A495</td>
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<td>BL-A300/400-level</td>
<td>BL-A84,488, or 489</td>
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Elective** .........................................3
BL-A300/400-level ...................................3-4
15-16 Elective** ....................................3
Elective** .........................................3
14-18

Minimum total hours required for graduation: 120

* An approved computer language course may satisfy the last 3 hours of the Foreign Language requirement.

** Electives recommended include General Physics Laboratory I and II, and Calculus II.

** Biology Minor
A minor in biology may be earned by students who satisfy both pre-requisite course sequences (i.e., BL-A104 and 106; and BL-A161 and 162), grade requirements, and complete an additional 12 hours of upper-division (300 and 400-level) biology coursework.

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Manresa Program in Catholic, Jesuit Studies

Daniel Finucane, Ph.D., Interim Director
Xavier Hall, 325
http://www.siu.edu/colleges/AS/manresa/index.html

The Manresa Program is an 18-hour certificate program in the College of Arts and Sciences. The program offers students an interdisciplinary, but integrated education in the various facets of the Catholic tradition as it comes to life in theology and philosophy, literature and the arts, social systems, history, and personal experience. The program appeals to students, Catholic or not, who wish to deepen their knowledge of the Church's rich tradition. Its interdisciplinary character enables students to encounter the beauty, truth, and vitality of Catholicism as it is expressed across various academic disciplines.

Sample curricula designed to correlate with particular majors:

**Cross-listed Theology Courses**
- TH-A100 Theological Foundations ............................................3
- TH-A205 New Testament .........................................................3
- TH-A220 American Catholicism ................................................3
- TH-A221 History of Christianity Since 1500 .........................3
- TH-A222 Early Church: Faith & Culture ..................................3
- TH-A242 Survey of Christian Beliefs ........................................3
- TH-A243 The Church Today .....................................................3
- TH-A246 Sacraments .............................................................3
- TH-A365 Social Justice .........................................................3
- TH-A370 Marriage & Christian Life ........................................3

**Cross-listed Art History Courses**
- ARIAH-A341 Gothic Art .......................................................3
- ARIAH-A401 Christian Iconography .......................................3

**Cross-listed English Courses**
- ENG-A513 The Bible and Literature .........................................3
- ENG-A421 Medieval Literature ................................................3
- ENG-A423 Chaucer ...............................................................3
- ENG-A424 Medieval Drama .....................................................3
- ENG-A429 Studies in Medieval Literature .............................3
- ENG-A430 Age of Elizabeth ..................................................3
- ENG-A433 Renaissance Drama ................................................3
- ENG-A434 Renaissance Poetry & Prose ...................................3
- ENG-A435 The Seventeenth Century .........................................3
- ENG-A436 Milton .................................................................3
- ENG-A439 Studies in Renaissance Literature .........................3
- ENG-A462 Modern Irish Literature .........................................3
- ENG-A469 Twentieth-Century American Poetry ........................3
Cross-listed History Courses
HS-A303 The Byzantine Empire .................................. 3
HS-A304 The Middle Ages to 1100 ................................. 3
HS-A305 The Middle Ages 1100 to 1450 ......................... 3
HS-A306 The Crusades ............................................ 3
HS-A307 Catholic Tradition to 1540 ............................. 3
HS-A308 Catholic Tradition since 1540 .......................... 3
HS-A315 History of the Orthodox and Eastern Churches .... 3

Cross-listed Philosophy Courses
PL-A205 Ethics ....................................................... 3
PL-A325 Philosophy of God ......................................... 3
PL-A330 Philosophy of Human Nature ........................ 3
PL-A432 Person and Action: The Philosophical Anthropology and Ethics of John Paul II .................. 3
PL-A450 History of Medieval Philosophies ....................... 3
PL-A478 Catholic Social Teaching ................................ 3
PL-A486 Problems in the Philosophy of Religion/Science and Religion ................................................ 3

Note: All Manresa courses are cross-listed with courses in regular academic departments in specific sections. All but the capstone course may also be used to satisfy requirements of the core or of particular majors or minors. To insure proper credit toward requirements outside the program, students are advised to take their Manresa classes designated by the departments rather than the MP numbers used in the program.

Please refer to WEB Address:
http://www.slu.edu/colleges/AS/manresa/index.html for the most up to date information.

Chemistry
http://www.slu.edu/colleges/AS/CH/chemweb

Steven W. Buckner, Ph.D., Chair

Faculty:
Harold A. Dieck, Ph.D.
Judith E. Durham, Ph.D.
Donald L. Hood, M.S.
Paul A. Jellis, Ph.D.
Charles C. Kirkpatrick, Ph.D.
Bruce A. Kowert, Ph.D.
Leo J. Malone, Jr., Ph.D.
Shelley D. Mintzer, Ph.D.
Olivier J.-C. Nicaise, Ph.D.
Thinh N. Nguyen, M.S.
Alexa A. Serfis, Ph.D.
Dana M. Spence, Ph.D.
Vincent T. Spaziano, Ph.D.
Steven W. Buckner, Ph.D.

The Department of Chemistry offers programs designed to meet a wide range of interests. The department offers a B.S. degree which is certified by the American Chemical Society, a B.A. degree, a dual degree program in Chemical Engineering with Washington University and a Master's degree.

Requirements for the B.S., B.A., and Dual Degree Program follow:

Chemistry (B.A.)

Major and related courses
29 hours of chemistry including Introduction to Chemistry I and II, Analytical Chemistry I, Organic Chemistry I and II, Organic Laboratory Techniques, Physical Chemistry I and II, and 3 hours of achemistry elective from the 400, or 500 level.

Additional related requirements include two semesters of general physics with laboratory, and two semesters of calculus.

Typical Course of Study

First Semester Second Semester

FRESHMAN
CH-A161 ....................................................... 4
MT-A141 ....................................................... 4
Core: ENG-A190 ............................................ 3
Core: PL-A105 ............................................ 3

SOPHOMORE
CH-A346 ....................................................... 3
MT-A145 ....................................................... 4
Core: HS-A111 ............................................. 3
Core: Foreign Lang ........................................ 3
Core: PL-A205 ............................................. 3

JUNIOR
CH-A320 ....................................................... 2
CH-A322 ....................................................... 2
Core: Eng. Lit. 300 level .................................. 3
Core: Foreign Lang ........................................ 3
PH-A131 ....................................................... 3
PH-A132 ....................................................... 1
Core: TH-A 200 level ...................................... 3

SENIOR
CH-A333 ....................................................... 3
Core: Culture Diversity .................................... 3
Elective ....................................................... 3
Elective ....................................................... 3
Elective ....................................................... 3
Elective ....................................................... 3

Total Hours: 121

* Students in the B.A. program may substitute either CS-A120 or CS-P111

Pharmaceutical Sales and Marketing Track

In addition to fulfilling the General Area Core requirements of the College of Arts and Sciences and the chemistry requirements for the Bachelor of Arts degree, a student wishing to take this track within the Bachelor of Arts in Chemistry degree should take the sequence of courses indicated below. A key feature of the program will be an internship that will provide the student with practical exposure to the field. A total of 122 hours will be required for the program as stated.

Courses
CH-A445 Principles of Medicinal Chemistry
CH-A444 Biochemistry
CMM-A100 Introduction to Human Communication*
CMM-A120 Public Speaking

ECN-B190 Principles of Economics*

MKT-B300 Introduction to Marketing Management
MKT B540 Promotional Strategy
MKT-B444 Personal Selling

MKT-B455 International Marketing

PL-A338 Business Ethics**
INT-A480-06 Internship

* Fulfills 3 hours of the A&S core requirement in Social Science
** Fulfills 3 hours of A&S core requirement in Philosophy

Possible Course Sequence, B.A. Chemistry Degree with
Marketing Track

<table>
<thead>
<tr>
<th>Fall</th>
<th>Spring</th>
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<tbody>
<tr>
<td>Intro to Chem. I</td>
<td>Intro to Chem. II</td>
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<td>Org. of the Mod. World, 1600 to Present</td>
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<tr>
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<td>Ethics</td>
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<td>Gen. Physics I</td>
<td>Pnn. of Economics</td>
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<td>Physical Chem. II</td>
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<td>Modern Lang. III</td>
<td>Public Speaking</td>
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<tr>
<td>Intro to Mkt. Management</td>
<td>Gen. Physics II</td>
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<td>Approaching the Arts:</td>
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<td>Prom. Strategy</td>
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<td>Theology 200-level</td>
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<td>Business Ethics</td>
<td>International Marketing</td>
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<td>Internship</td>
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<td>Total Hours:</td>
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<td>122</td>
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Chemistry (B.S.)
ACS Certified Degree

Major and related courses
48 hours of chemistry including Introduction to Chemistry I and II, Analytical Chemistry I and II, Organic Laboratory Techniques, Organic Spectroscopy, Physical Chemistry I and II and Physical Chemistry Laboratory, Biochemistry, Inorganic Chemistry, Inorganic Chemistry Laboratory, Introduction to Chemical Literature, Mathematical Techniques in Chemistry, and 3 hours of undergraduate research, with thesis. Additional related requirements include two semesters of general physics with laboratory, and two semesters of calculus.

Typical Course of Study
The following typical course of study is intended to serve as a model of the degree program. Each student’s sequence of courses will vary according to credits taken in high school, ability level, individual preference and career goals.

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<thead>
<tr>
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<tbody>
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<td>CH-A452</td>
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<td>Total Hours:</td>
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* Students in the BS program may substitute either CS-A120 or CSP-111.

Dual Degree Program in Chemical Engineering with Washington University

Major and related courses
23 hours of chemistry including Introduction to Chemistry I and II with laboratory, Analytical Chemistry I, Organic Chemistry I and II with laboratory, and Physical Chemistry II. Additional requirements include Engineering Physics I and II with laboratory, three semesters of calculus, differential equations and Computer Science I. See “Special Programs” for further information on the Dual Degree Program.

Typical Course of Study

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<thead>
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<th>Second Semester</th>
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<tr>
<td>MT-A141</td>
<td>Core: Fine Arts</td>
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<td>Core: ENG-A190</td>
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<td>Core: TH-A200</td>
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<td>PH-A154</td>
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</tbody>
</table>
Communication

Kathleen Farrell, Ph.D., Chair
http://www.slu.edu/colleges/AS/CMM/

Faculty:
Rob Anderson, Ph.D.
Patreece Boone, Ph.D.
Richard W. Burgin, M.A.
Elissa L. Cohen, Ph.D.
Kathleen Farrell, Ph.D.
Liesl L. Hutchison, APR, M.A.
Kimberly A. Kennedy, Ph.D.
Robert L. Krizek, Ph.D.
Avis E. Meyer, Ph.D.
John J. Pauly, Ph.D.
Karla D. Scott, Ph.D.
Robert M. Stahl, Ed.D.
Paaige K. Turner, Ph.D.
William H. Tyler, M.A.

The Department of Communication offers both a bachelor's and a master's degree. The 36-hour undergraduate major (B.A. Communication) offers two options, Communication Professions or Communication Technology. The Communication Professions option prepares students for a wide range of careers in fields such as journalism, public relations, advertising, organizational communication, and political communication. The Communication Technology option prepares students for careers that rely upon new computer technologies, such as multimedia design, publication design, and instructional technology.

Transfer students from other universities, the Madrid campus of Saint Louis University, or junior colleges may ask that up to 12 hours of previous course work in speech, communication, or mass communication be applied toward their B.A. in communication (students often transfer courses such as introduction to human communication, public speaking, or newswriting). The curriculum's required courses in Communication Theory, Communication Research, and Principles of Communication must be taken at the Frost campus.

Communication majors may not take communication courses to fulfill the social science core requirement.

Communication (B.A.)

Program Summaries

Communication Professions
Communication Core - required of all .......................... 15 hours
Principles of Communication .................................. 6 hours
Advanced Writing .................................................. 3 hours
Advanced Research ................................................ 3 hours
Communication Electives ........................................... 9 hours
Total: 36 hours

Communication Technology
Communication Core - required of all .......................... 15 hours
Principles of Communication .................................. 6 hours
Communication Technology .................................... 9 hours
Communication Electives ........................................... 6 hours
Total: 36 hours

Communication Core Courses
All communication majors must complete the following five courses:
CMM-A100 Introduction to Human Communication .............. 3
CMM-A120 Public Speaking ....................................... 3
CMM-A200 Communication Theory
(Prerequisite: CMM-A100) ....................................... 3
CMM-A210 Journalism: News Writing
(Prerequisite: ENG-A190 or OUS-A190) ..................... 3
CMM-A280 Communication Research
(Prerequisite: CMM-A100) ....................................... 3

Principles of Communication Courses
All communication majors must choose two courses from the following:
CMM-A300 Interpersonal Communication
CMM-A301 Language and Linguistics
CMM-A305 Argumentation and Debate
CMM-A320 Organizational Communication
CMM-A330 Intercultural Communication
CMM-A342 Literary Journalism
CMM-A344 Media Ethics
CMM-A347 Political Communication
CMM-A400 Dialogue and Community in Public Life
CMM-A409 Theories of Persuasion
CMM-A420 Problem Solving in Small Groups
CMM-A421 Organizational Culture
CMM-A422 Conflict Mediation, Negotiation, and Bargaining
CMM-A430 Gender and Communication
CMM-A432 Communicating Across Racial Divisions
CMM-A435 Stereotyping and Bias in the Mass Media
CMM-A440 Mass Communication and Society
CMM-A442 Theory of Free Expression
CMM-A443 Culture, Technology, and Communication
CMM-A444 History of Journalism
CMM-A447 Rhetoric of Political Campaigns

Advanced Writing Courses
Communication Professions students must choose one course from the following:
CMM-A311 Feature Writing
CMM-A312 Audio Visual Script Writing
CMM-A313 Editorial and Opinion Writing
CMM-A314 Essay Writing
CMM-A361 Writing for Public Relations
CMM-A371 Advertising Writing and Production
CMM-A415 Nonfiction Writers' Workshop
CMM-A416 Editing
CMM-A425 Report Writing for Comm. Professions

Advanced Research Courses
Communication Professions students must choose one course from the following:
CMM-A377 Advertising Media Buying
CMM-A380 Interviewing and Listening
CMM-A383 Methods of Rhetorical Analysis
CMM-A384 Analysis of Popular Culture
CMM-A385 Qualitative Research Methods in Comm.
CMM-A470 Advertising Research and Strategic Planning
CMM-A480 Evaluation Methods in Organizations

Communication Technology Courses
Communication Technology students must take CMM-A312
Audio Visual Script Writing, and two courses from the following:
CMM-A253 Computer-Based Design
CMM-A255 Photo Imaging and Digital Manipulation
CMM-A256 Principles of Graphic Design
CMM-A353 Multimedia Design and Production
CMM-A355 Digital Imaging Studio
CMM-A356 Publication Design
CMM-A453 Multimedia Scripting and Design

Communication Electives
Communication Professions students take at least nine hours of communication electives, and Communication Technology students take at least six hours of communication electives. These courses may be chosen from the list below or from any courses listed above under Principles of Communication, Advanced Writing, Advanced Research, or Communication Technology.

CMM-A323 Business and Professional Communication
CMM-A360 Public Relations Principles and Practices
CMM-A370 Advertising Principles and Practices
CMM-A460 Integrated Communication Campaigns
CMM-A464 Public Relations Case Studies
CMM-A465 International Public Relations
CMM-A491 Field Contract: Internship
CMM-A493 Special Topics
CMM-A498 Advanced Independent Study

Outside Hours
Students majoring in communication must complete at least 15 hours of course work outside of the requirements for their major; at least 6 hours of that course work must be at the 300 or 400 level. Communication majors can satisfy this requirement by completing a double major, a minor in another department, or a certificate program, or by choosing, in consultation with their advisor, 15 hours of courses in an area that complements the student’s interests. The Department of Communication participates in two College of Arts and Sciences Certificate Programs: Creative and Professional Writing and Political Journalism. See section in this Catalog on “Certificate Programs” for complete descriptions.

Internships
Internships (CMM-A491) are available each semester at a wide range of St. Louis-area publications, nonprofit groups, corporations, advertising and public relations agencies, radio and television stations, and sports and entertainment organizations. To qualify, a student must 1) be a full-time declared communication major, 2) hold a 2.85 or higher GPA in communication courses and a 2.65 or higher overall GPA, 3) have completed 18 hours in communication courses, including all communication core coursework, and 4) receive written permission from the department’s internship director.

Typical Course of Study
Students planning to major in Communication should ideally have taken CMM-A100, 120, 200, and 210 by the end of their sophomore year. Introductory professional courses, such as CMM-A360 Public Relations Principles and Practices or CMM-A370 Advertising Principles and Practices, should be taken by the end of the junior year. Students should take Principles of Communication courses during their junior and senior years, after having completed CMM-A200 Communication Theory. Internships are best taken sometime in the last three semesters of the program.

Communication Minor
Students may earn a minor in communication by taking CMM-A100 Introduction to Human Communication and CMM-A200 Communication Theory and 15 hours of communication electives, at least 6 hours of which must be at the 300 or 400 level. The elective hours must be chosen in consultation with the department chair, who advises all minors.

Marketing Certificate for Communication Majors
The School of Business and Administration allows declared communication majors who are taking course work in advertising and public relations to earn a marketing certificate. Student applications for this certificate will be forwarded from the School of Business office to the Department of Communication for approval.

Prerequisites for all Marketing courses:
ECN-B190 Principles of Economics. Pre requisite to MKT-B300. (This course also fulfills 3 hours of the social/behavioral science core requirement in the College of Arts and Sciences.) MKT-B300 Introduction to Marketing Management

Required courses
MKT-B340 Promotional Strategy
MKT-B440 Buyer Behavior

Elective courses
Two courses from the following:
MKT-B560 Marketing Research*
MKT-B430 Retail Management
MKT-B444 Personal Selling
MKT-B445 Sales Management
MKT-B455 International Marketing
MKT-B465 Marketing Decision Models**

* To be taken only if the student has had DSC-B207 Statistics.
** Co-requisite: MKT-B360 Marketing Research

Earth and Atmospheric Sciences
http://www.slu.eas.slu.edu

David J. Oossley, Ph.D., Chair

Faculty:
Benjamin Abell, M.S.
Karl M. Chauff, Ph.D.
David J. Crossley, Ph.D.
Joachim Dorsch, Ph.D.
John P. Encarnacion, Ph.D.
Charles E. Graves, Ph.D.
Robert B. Hermann, Ph.D.
David Kirschner, Ph.D.
Keith D. Koper, Ph.D.
Yeong-Jer Lin, Ph.D.
Timothy M. Kusky Ph.D.
Brian J. Mitchell, Ph.D.
James T. Moore, Ph.D.
Robert W. Pasken, Ph.D.
Gandikota V. Rao, Ph.D.
Lupe Zhu, Ph.D.

The Department of Earth and Atmospheric Sciences offers a wide range of undergraduate and graduate programs in Geoscience and Meteorology.

In Geoscience, the Bachelor of Science (BS) programs prepare students for professional careers in Environmental Science, Geology or Geophysics and provide an excellent foundation for entrance to graduate studies. The Bachelor of Arts (BA) programs in Environmental Science and Geology contains...
essentially the same Geoscience courses as the BS degrees, but have fewer required science courses. Thus, the BA programs are ideal for students who wish to pursue geoscience-related careers in fields such as Law, Education, Journalism or Urban Planning. The Environmental Science programs were introduced in 1997 and the B.S. degree is now suitable as a pre-med degree program.

In Meteorology the BS program has been entirely modified and merged with the Parks College program. The resulting new program emphasizes the characteristics, structure and dynamics of the atmosphere, global change and an emphasis on mathematical and numerical techniques used in Weather Forecasting and Mesoscale Processes. The BS program is an ideal preparation for graduate studies in Atmospheric Sciences.

The BA program offers flexibility so that careers in fields such as Broadcasting and Environmental Science can be sought.

**Geoscience Programs**

K.M. Chauff, Ph.D., Director

### Environmental Science B.A.

#### Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EAS-A101</td>
<td>Earth Systems I - The Solid Earth</td>
<td>3</td>
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<td>EAS-A102</td>
<td>Earth Systems I - Lab</td>
<td>1</td>
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<tr>
<td>EAS-A105</td>
<td>Earth Systems II - The Atmosphere &amp; Oceans</td>
<td>3</td>
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<tr>
<td>EAS-A208</td>
<td>Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A240</td>
<td>Field Techniques in Geology</td>
<td>2</td>
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<tr>
<td>EAS-A242</td>
<td>Computer Applications in Earth Science (or equivalent)</td>
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<tr>
<td>EAS-A305</td>
<td>Geomorphology</td>
<td>3</td>
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<tr>
<td>EAS-A410</td>
<td>Sedimentology &amp; Stratigraphy</td>
<td>3</td>
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<td>EAS-A411</td>
<td>Sedimentology &amp; Stratigraphy Lab</td>
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<tr>
<td>EAS-A426</td>
<td>Environmental Geophysics</td>
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<td>EAS-A428</td>
<td>Environmental Geochemistry</td>
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<tr>
<td>EAS-A435</td>
<td>Groundwater Hydrology</td>
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<tr>
<td>EAS-A450</td>
<td>Scientific Communications (or equivalent)</td>
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Total Required Courses: 31

#### Major Electives: Choose two courses (6-8 credits)

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<td>Mineralogy Lab</td>
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<td>EAS-A325</td>
<td>Global Change</td>
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<td>EAS-A335</td>
<td>Surface Water Hydrology</td>
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<td>EAS-A403</td>
<td>Elements of Air Pollution</td>
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<td>EAS-A405</td>
<td>Petrology</td>
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<td>EAS-A430</td>
<td>Structural Geology</td>
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<td>EAS-A431</td>
<td>Structural Geology Lab</td>
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<td>EAS-A437</td>
<td>Earth Dynamics</td>
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<td>EAS-A498</td>
<td>Advanced Independent Study</td>
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<td>BLA-A409</td>
<td>Plant Ecology</td>
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Total Related Electives: 68

#### Required Related-Science Courses

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<td>MTA-A142</td>
<td>Calculus I</td>
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<td>PH-A131</td>
<td>Gen. Physics I and Lab (or equivalent)</td>
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<td>BLA-A104</td>
<td>Principles of Biology I</td>
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Total Related Science Credits: 12-16

A&S College Core Credits (ex. Science, inc. CS): 54

Free Electives: 11-17

Minimum Credits for Graduation: 120

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### Typical Course of Study

Individual programs will vary depending on credits taken in high school, individual preference and career goals.

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<th>Course Code 2</th>
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**SOPHOMORE**

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**SENIOR**

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* Satisfies 3rd language requirement and an upper division science requirement.

** Also satisfies Cultural Diversity requirement

Minimum Credits for Graduation: 120

### Environmental Science (B.S.)

#### Required Courses

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<td>Earth Systems II - The Atmosphere &amp; Oceans</td>
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<tr>
<td>EAS-A242</td>
<td>Computer Applications in Earth Science (or equivalent)</td>
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Internship, Field Camp, Project or OSHA Training up to 6 (census of advisor required).

Total Required Courses: 31-37
# Major Electives
Choose a minimum of 12 credits

- EAS-A220 Mineralogy ........................................... 3
- EAS-A221 Mineralogy Lab .................................. 1
- EAS-A325 Global Change ..................................... 3
- EAS-A355 Surface Water Hydrology ..................... 3
- EAS-A403 Elements of Air Pollution .................... 3
- EAS-A425 Project in Environmental Science .......... 2
- EAS-A498 Advanced Independent Study ................ 1

CH-AXXX Upper Division Chemistry ......................
CH-AXXX Upper Division Chemistry ......................
BL-AXXX Upper Division Biology ...........................
BL-AXXX Upper Division Biology ...........................
RM-G410 Intro to Inferential Statistics (or equivalent) .. 3
MT-A244 Calculus III ......................................... 4

Total Required Elective .......................... 12

# Required Related-Science Courses

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<td>Introduction to Chemistry II</td>
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<td>BL-A104</td>
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<td>MT-A143</td>
<td>Calculus II</td>
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Total Related-Science Credits ................ 27

A&S College Core Credits ........................ 54

Minimum Credits for Graduation: 124

# Typical Course of Study
Individual programs will vary depending on credits taken in high school, individual preference and career goals.

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* Satisfies 3rd language requirement and upper division science requirement.

** Also satisfies Cultural Diversity requirement

Minimum Credits for Minor: 19

# Geology (B.A.)

# Required Courses

<table>
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<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>EAS-A101</td>
<td>Earth Systems I - The Solid Earth</td>
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<td>EAS-A102</td>
<td>Earth Systems I - Lab</td>
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<td>EAS-A103</td>
<td>Earth Systems II - The Atmosphere &amp; Oceans</td>
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Total Required Courses ................................ 12

# Major Electives
Choose a minimum of 7 credits

- EAS-A242 Computer Applications in Earth Science  ........ 1
- EAS-A305 Geomorphology ........................................ 3
- EAS-A355 Surface Water Hydrology .............................. 3
- EAS-A426 Environmental Geophysics ............................ 3
- EAS-A428 Environmental Geochemistry .......................... 3
- EAS-A435 Groundwater Hydrology ............................... 3

Minimum Elective Credits: 7

Minimum Credits for Minor: 19
MTA142 Calculus I ........................................... 4

Choose one of the following:
PHA131/132 General Physics I and Lab (or equiv.) .... 4
or
BLA104 Principles of Biology I ............................ 4
BLA106 Principles of Biology II ............................ 4

Total Related Science Credits 12-16
A&S College Core Credits (ex Science, inc CS) 54
Free Electives 10-14
Minimum Credits for Graduation: 120

Typical Course of Study
Individual programs will vary depending on credits taken in
high school, individual preference, and career goals.

First Semester Second Semester

**FRESHMAN**
EAS-A101/102 ............................................ 4
Core: MTA120 ................................. 3
Core: Foreign Lang ............................. 3
Core: HS-A111 ................................. 3
Core: ENG-A190 ............................... 3

16

**SOPHOMORE**
EAS-A220/221 ............................................ 4
EAS-A240 ............................................ 2
CH-A161 ............................................ 4
Elective ............................................ 3
Core: PL-A105 .................................... 3
Core: Social Science ............................ 3

16 16

**JUNIOR**
EAS-A410/411 ............................................ 4
EAS-A450 ............................................ 2
Elective ............................................ 3
Elective ............................................ 3
Core: ARS-A100 ................................. 3
Core: Foreign Lang ............................. 3

15 15

**SENIOR**
Elective ............................................ 3
Elective ............................................ 3
CS-AP120* ............................................ 3
Core: TH-A200 level ............................ 3
Core: ENG-A200 level ........................... 3
Core: ENG-A200 level ........................... 3
Core: ENG-A322** ................................ 3

15 15

* Satisfies 3rd language requirement and upper division
  science requirement.
** Also satisfies Cultural Diversity requirement

Minimum Hours Required for Graduation: 120

Geology (B.S.)

Required Courses
EAS-A101 Earth Systems I - The Solid Earth ......... 5
EAS-A102 Earth Systems I Lab ........................ 1
EAS-A103 Earth Systems II - The Atmosphere & Oceans .... 3
EAS-A220 Mineralogy .................................. 3
EAS-A221 Mineralogy Lab ............................ 1
EAS-A240 Field Techniques in Geology ............. 1
EAS-A242 Computer Applications in Earth Sciences (or equivalent) .... 1
EAS-A405 Petrology .................................... 3
EAS-A406 Petrology Lab ................................ 1
EAS-A410 Sedimentology & Stratigraphy ............ 3
EAS-A411 Sedimentology & Stratigraphy ............ 1
EAS-A430 Structural Geology ........................ 3
EAS-A431 Structural Geology Lab .................... 1
EAS-A437 Earth Dynamics ............................ 3
EAS-A450 Scientific Communications (or equivalent) .... 2

Summer Field Camp ...................................... 0
Total Required Courses ................................. 36

**Major Electives** Choose a minimum of 12 credits (at least 6
upper division EAS courses)
EAS-A114 Earth History ................................ 3
EAS-A305 Geomorphology ............................ 3
EAS-A335 Surface Water Hydrology ................. 3
EAS-A428 Environmental Geophysics ............... 3
EAS-A435 Groundwater Hydrology ................... 3
EAS-A498 Advanced Independent Study ......... 1-3
RM-G410 Intro to Inertial Statistics ............... 3
EAS-A5XXX Graduate Level Geology
(consent of advisor required) ..................... 2-3
MTA244 Calculus III ................................... 4
CH-A33 Physical Chemistry .......................... 3

Total Required Electives ................................. 12

**Required Related-Science Courses**
CH-A161 Introduction to Chemistry I ............... 4
CH-A162 Introduction to Chemistry II ............. 4
MTA142 Calculus I ..................................... 4
MTA145 Calculus II .................................... 4
PHA131/132 General Physics I and Lab (or equiv.) .... 4
PHA135/134 General Physics II and Lab (or equiv.) .... 4

Total Science-Related Credits .......................... 24
A&S College Core Credits (ex Science, inc CS) 54
Free Electives 3
Minimum Credits for Graduation: 124

Typical Course of Study
Individual programs will vary depending on credits taken in
high school, individual preference and career goals.

First Semester Second Semester

**FRESHMAN**
EAS-A101/102 ............................................ 4
Elective ............................................ 3
Core: Foreign Lang ............................. 3
Core: HS-A111 ................................. 3
Core: ENG-A190 ............................... 3

16 16

**SOPHOMORE**
EAS-A220/221 ............................................ 4
EAS-A240 ............................................ 2
CH-A161 ............................................ 4
Elective ............................................ 3
Core: PL-A105 .................................... 3
Core: Social Science ............................ 3

16 16

**JUNIOR**
EAS-A410/411 ............................................ 4
EAS-A450 ............................................ 2
Elective ............................................ 3
Elective ............................................ 3
Core: ARS-A100 ................................. 3
Core: Foreign Lang ............................. 3

15 15

**SENIOR**
Elective ............................................ 3
Elective ............................................ 3
CS-AP120* ............................................ 3
Core: TH-A300 level ............................ 3
Core: PL-A300/400 level ..................... 3
Core: ENG-A200 level ........................... 3
Core: ENG-A322** ................................ 3

15 15

College of Arts and Sciences - 93
Field Camp (4 to 6 weeks during summer) 5-6 hours

**SOPHOMORE**

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* An approved computer language course may satisfy 3 hours of the foreign language requirement, and an upper division science requirement.

** Also satisfies Cultural Diversity Core Requirement.

Minimum Credits for Graduation: 124, not including
6 Summer Field Camp.

**Geology Minor**

**Required Courses**

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Total Required Courses 13

**Minor Electives** Choose a minimum of six credits

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Minimum Required Electives: 6

Minimum Credits for Minor: 19

**Geophysics (B.S.)**

**Required Courses**

The following 34 hours in Geology and Geophysics are required of all majors:

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Mathematics through MTA-A351 plus MTA-A315 or approved upper division course

11 hours of Physics (PH-P151 through 154), PH-P311

**Typical Course of Study**

Individual programs will vary depending on credits taken in high school, individual preference, and career goals.

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**Meteorology Programs**

B. Abell, Director

**Meteorology (B.A.)**

**Required Courses**

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Total Required Credits: 27

**Major Electives (Choose six hours)**

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Total Required Elective Credits: 33

**Required Related-Science Courses**

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PH1A13/134 General Physics II and Lab  4
MT1A42 Calculus I  4
MT1A43 Calculus II  4
MT2A44 Calculus III  4
CS-P111 FORTRAN-90 Programming  5

Total Related-Science Credits  23
A&S College Core Credits (ex Science, inc CS)  69

Minimum Credits for Graduation: 125

** Typical Course of Study **
Individual programs will vary depending on credits taken in high school, individual preference and career goals.

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<tr>
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</table>

* Satisfies 3rd language requirement and science requirement.

Minimum Hours Required for Graduation: 125

** Major Electives (Choose twelve hours) **
EAS-A105 Oceanography  3
EAS-A315 Broadcast Meteorology I  3
EAS-A316 Broadcast Meteorology II  3
EAS-A325 Global Change  3
EAS-A335 Surface Water Hydrology  3
EAS-A350 Computational Methods in Meteorology  3
EAS-A370 Mesoanalysis-see storms  3
EAS-A403 Air Pollution  3
EAS-A425 Micrometeorology  3
EAS-A447 Elementary Tropical Meteorology  3
EAS-A465 Weather Forecasting  3
EAS-A478 COMET Modules  1-3
EAS-A480-12 Internship  1-3
EAS-A488 Senior Synthesis  1-3
EAS-A450 Scientific Communications  2

Total Required Electives  12

** Required Related-Science Courses **
CHA-A163 Introduction to Chemistry (lecture only)  3
PH-A151 Engineering Physics I  3
PH-A152 Engineering Physics I Lab  1
PH-A153 Engineering Physics II  3
PH-A154 Engineering Physics II Lab  1
MTA-A142 Calculus I  4
MTA-A145 Calculus II  4
MTA-A244 Calculus III  4
MTS-A35 Diffeential Equations  3
CS-P111 FORTRAN-90 Programming  3

Choose one of the following:
RMG-410 Intro to Infeental Statistics  3
MFA-315 Intro to Linear Algebra  3
MFA-371 Vector Analysis  3
CS-A402 Operating Systems & Architecture  3
MFA-477 Numerical Analysis  3

Total Related-Science Credits  32
A&S College Core Credits (ex Science, inc CS)  48

Minimum Credits for Graduation: 125

** Typical Course of Study **
Individual programs will vary depending on credits taken in high school, individual preference and career goals.

<table>
<thead>
<tr>
<th>First Semester</th>
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Minimum Hours Required for Graduation: 125

** Meteorology (B.S.) **

** Required Courses **
EAS-A101 Earth System I-The Solid Earth  3
EAS-A103 Earth System II-Atmosphere & Ocean  3
EAS-A211 Map and Chart Analysis  3
EAS-A244 Atmospheric Motions  3
EAS-A253 Physical Climatology  3
EAS-A415 Instrumentation & Remote Sensing  3
EAS-A420 Synoptic Meteorology I  3
EAS-A422 Synoptic Meteorology II  3
EAS-A435 Physical Meteorology I  3
EAS-A454 Physical Meteorology II  3
EAS-A444 Principles of Dynamic Meteorology I  3
EAS-A445 Principles of Dynamic Meteorology II  3

Total Required Credits  35

College of Arts and Sciences - 95
ECONOMICS

http://www.slu.edu/departments/economics

Muhammad Q. Islam, Ph.D., Chair

Faculty:
Heather L. Bednarz, Ph.D.
Mark E. Funk, Ph.D.
Levy J. Grossman, Ph.D.
Muhammad Q. Islam, Ph.D.
Hailong Qian, Ph.D.
Jack K. Strauss, Ph.D.
Adel Varghese, Ph.D.
Patrick J. Welch, Ph.D.

The Economics Department offers a major through both the College of Arts and Sciences (B.A. in Economics) and the John Cook School of Business (B.S.B.A. in Economics).

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 and 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 are exposed to microeconomic issues that are relevant to decision making in private business and in formulating public policy. Students are also exposed to 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. Many students majoring in economics have gone for graduate training in business, economics, law, and public policy, among other areas. Students majoring in international studies, political science, mathematics, history, English, or other disciplines might find a second major, or minor in economics to be useful in the pursuit of their careers.

ECONOMICS (B.A.)

Required Courses
ECNB190 Principles of Economics ........................................3
DSCB207 Introductory Business Statistics ................................3
ECNB312 Intermediate Macroeconomics ................................3
ECNB314 Intermediate Microeconomics .................................3
MTA132 Survey of Calculus ................................................3

Minimum of 5 upper-division electives in Economics selected from the following: ......................................................15
ECNB379 Economic, Political and Social Development in Latin America
ECNB408 Industrial Organization and Public Policy
ECNB410 Urban and Regional Economics
ECNB416 History of Economic Analysis
ECNB420 Money and Banking
ECNB430 International Economics
ECNB431 Exchange Rates and the Global Economy
ECNB440 Labor Economics
ECNB456 Economic Development
ECNB460 Economics of the Government Sector
ECNB477 Introduction to Econometrics
ECNB493 Special Topics in Economics

Remaining hours
Any of the approved minors, certificate programs, or a double major can be completed to reach the 120 hours required for graduation.

Typical Course of Study

First Semester Second Semester

FRESHMAN
Core: ENG-A190 ..................................................3
Core: MT-A120 ..................................................3
Core: Social Science .............................................3
Core: Foreign Lang ..............................................3
Core: HS-A111 ..................................................15
Core: Fine Arts ..................................................3

SOJPHOMORE
Core: ENG-A200 level .........................................3
Core: Foreign Lang ..............................................3
Core: Cultural Diversity ........................................3
Core: Science ....................................................15
Core: TH-A100 ...................................................3

JUNIOR
Core: ECN-B312 ..................................................3
Core: ECN-B Elective ............................................3
Minor in Economics

In addition to meeting all Arts and Sciences degree requirements, a student must complete 18 hours of coursework in Economics, including ECN-B190, ECN-B312, ECN-B314 and any three Economics courses (excluding ECN-B480) beyond ECN-B190, ECN-B312, and ECN-B314.

English
Sara van den Berg, Ph.D., Chair

Faculty:
Paul Acker, Ph.D.
Fred Arroyo, Ph.D.
Toby Benis, Ph.D.
Raymond P. Benoit, Ph.D.
Harold Bush, Ph.D.
Vincent Casaregola, Ph.D.
Stephen Casmier, Ph.D.
Jeffrey Clymer, Ph.D.
Lucien Fournier, Ph.D.
Antony Hasler, Ph.D.
Elisabeth Heard, Ph.D.
Devin Johnston, Ph.D.
George Johnston, Ph.D.
Ellen Jones, Ph.D.
Janice McIntyre-Strasburg, Ph.D.
Clarence Miller, Ph.D.
Thomas Moisan, Ph.D.
Caroline Reitz, Ph.D.
James Scott, Ph.D.
Thomas Shippey, Ph.D.
Duane Smith, Ph.D.
Donald Stump, Ph.D.
Joya Uraizee, Ph.D.
Thomas Walsh, Ph.D.
William Whealen, M.A.

Literary studies focuses our attention on the power of language and the importance of culture to our lives and perception. With language, we shape our own lives. In understanding our culture, we make sense of our world. Courses in the English Department develop the student's reading, writing, and analytical skills by exploring these interrelated dimensions of language and culture.

English (B.A.)

The major in English requires thirty (30) hours minimum.

  a. 300-level courses in English:
     Students may not count English courses taken to fulfill the
     Core Requirement toward the major. After taking one 300
     or 400-level course in English to fulfill the Core
     Requirement, students may count toward the major up to
     twelve (12) hours in courses at the 300 level.

     The department strongly recommends that students take two
     or more of the following courses before embarking on extensive
     study at the 400-level:
     ENG-A350 British Literary Tradition to 1800
     ENG-A351 British Literary Tradition after 1800
     ENG-A360 American Literary Tradition
     ENG-A385 Postcolonial Literature

     b. 400-level courses in English:
     The major requires at least eighteen (18) hours at the
     400-level.

     c. Area requirements:
     Courses taken for the major must include:
     6 hours of British literature prior to 1800
     6 hours of British literature after 1800 (including
     English, Irish, World, and Postcolonial)
     3 hours of American literature.

     Students may count toward Area Requirements up to six (6)
     hours earned in the following 300-level courses: ENG-A350,
     ENG-A351, ENG-A360, and ENG-A385. All other hours counted
     toward Area Requirements must be taken at the 400-level.
     ENG-A490 may not be used to satisfy an Area Requirement.

     English/Education majors may substitute 400-level state-required
     English courses for the following:
     3 hours of British literature prior to 1800
     3 hours of British literature after 1800 (including English, Irish,
     World, and Post-Colonial).

     d. Senior Seminar:
     Majors must complete 3 hours in ENGA490.
     English/Education majors may take this course in the spring
     of their junior year in order to avoid conflicts involving their
     pre-professional semester.

     The Department of English participates in the Creative and
     Professional Writing Certificate, which is open to any major. See
     “Certificate Programs” for special requirements.

Typical Course of Study

This sampling illustrates only the most general four-year course of study for students intending to major in English. Because most English course offerings vary from semester to semester and because the requirements allow for individual variation, this model suggests only one among several possible courses of study. Elective hours, especially in the junior and senior years, may be used (under departmental advisement) to satisfy requirements for minor, pre-law, certificate, and other academically related programs, or they may be used to pursue further study for the English major

First Semester

FRESHMAN
Core: ENG-A190 ....... 3
Core: Foreign Lang. ....... 3
Core: Fine Arts ....... 3
Core: Social Science ....... 3
Core: HS-A111 ....... 3
15

SOPHOMORE
Core: ENG-A350 ....... 3
Core: Foreign Lang. ....... 3

Cynthia Stollhans, Ph.D.
Sue Stubbs, M.M.
Thomas Stubbs, B.S.
Sue Taylor, Ph.D.
Mary Weber, M.A.
Steven Wills, M.M.
Mark Wilson, M.E.A.
Theodore T. Wood, II, M.E.A.
Michael Yonan, Ph.D.
Jeanine York-Garesche, M.M.

Art History (B.A.)
The Art History curriculum provides a general introduction into all of the major style-periods in the history of art. Social history, iconography and patronage are the key methodologies used in studying the artworks. Further Studio Art courses compliment the major. Internships at MOCRA, Couples House and the Saint Louis Art Museum are possible.

Art History - Curriculum Requirements:
ARH-A101 History of Art ................................. 3
Ancient Art:
ARH-A 350, Classical Art; ARH-A430, Greek Art or ARH-A 431, Roman Art .......... 3
Medieval Art:
ARH-A240, Medieval Art Survey; ARH-A340, Romanesque Art; ARH-A341, Gothic Art; ARH-A440, Medieval Illuminations or ARH-A441, Medieval Women and Art ................. 3
Italian Renaissance Art:
ARH-A355, Early Rens Art/Culture; ARH-A351, High/Late Rens Art/Culture; ARH-A450, Papacy and Art; or ARH-A492, Special Topics .......... 3
Northern Renaissance Art:
ARH-A 352, Northern Renaissance Art or ARH-A451, Bosch and Bruegel ... 3
Nineteenth Century Art:
ARH-A 270, 19th C. Art Survey ; ARH-A370, American Art or ARH-A470, 19th C. French ................. 3
Modern Art:
ARH-A 280, Modern Art Survey; ARH-A371, American Art; ARH-A380, 20th Century Art; ARH-A480, Contemporary Art or ARH-A485, Bel Dimensions of Modern Art ................. 3
Studio Art:
ARS-A 200, Drawing or ARS-A210, Design ................ 3
ARH-A490, Research Methods ......................... 3
2-3 hour electives in Art History ...................... 6
1-3 hour elective in Studio Art .......... 3

Total hours required: 36 - plus additional courses according to one of the four options listed below.

Studio Art (B.A)
All Studio Art majors will be required to submit a portfolio of artwork for faculty review after the 12 hours of foundation courses are completed plus 6 additional hours from Level I courses or one Level I and one Level II course for a total of 18 hours of Studio Art courses. The portfolio review should occur no later than the first semester of the junior year. Acceptance of the portfolio is required to graduate with a major in Studio Art. To complete the degree, the students will take further 12 hours of Level II and Level III courses plus 9 hours of Art History. Majors are encouraged to take related hours within the Studio Art program.

Major in Studio Art

Level I courses in Studio Art:
ARTA-200  Drawing I (foundation course)
ARTA-205  Drawing for the Designer
ARTA-210  Design (foundation course)
ARTA-212 Three-Dimensional Design (foundation course)
ARTA-215 Color Theory (foundation course)
ARTA-220 Painting I
ARTA-230 Printmaking
ARTA-240 Ceramic Sculpture
ARTA-250 Computer Art I
ARTA-260 Photography I
ARTA-298 Independent Study

Level II courses in Studio Art:
Prerequisites for all Level II courses is: ARTA-200, ARTA-210, ARTA-212, and ARTA-215
ARTA-300 Drawing II
ARTA-305 Drawing for the Designer
ARTA-320 Painting II
ARTA-330 Printmaking II
ARTA-335 Monotypes
ARTA-340 Ceramic Sculpture II
ARTA-345 Exploration in Sculptural Materials
ARTA-350 Computer Art II
ARTA-360 Photography II
ARTA-395 Portfolio Review

Level III courses in Studio Art:
Prerequisite for all Level III courses is: ARTA-395 plus any corresponding Level II course
ARTA-400 Drawing Studio
ARTA-401 Studio Project
ARTA-420 Painting Studio
ARTA-430 Printmaking Studio
ARTA-440 Ceramic Sculpture Studio
ARTA-445 Sculptural Materials Studio
ARTA-480 Studio Seminar
ARTA-495 Senior Residency
ARTA-498 Advanced Independent Study

Total hours required for a Major in Studio Art: 36 hours plus additional courses according to one of the options below:
Completion of related upper-division, advisor approved courses
Completion of certificate program
Completion of a minor in another department
Completion of a second major in another department

Music (B.A.)
www.slu.edu/departments/fpa/Music/music.htm

All students must audition before formally declaring a Major in Music. Following a successful audition, students will be directed to one of two paths:
a) Music Performance Emphasis
b) Musical Studies Emphasis
All majors are required to participate in performing ensembles during each semester of enrollment in program.

Music Performance Emphasis, with Related Hours in Music Performance:
MUSA200 Recital Attendance
MUSA227 Music Theory/Musicanship I ..................... 3
MUSA228 Music Theory/Musicanship II ..................... 3
MUSA327 Music Theory III ................................. 3
MUSA329 Music Theory IV ................................ 3
MUSA330 Music History I ................................ 3
MUSA331 Music History II ................................ 3
MUSA441 Conducting ........................................ 3
MUSA226 Music Computer Skills .......................... 1
MUSA126 Class Piano I* ................................. 2
MUSA127 Class Piano II* .................................. 2
Music Electives .............................................. 6
Ensemble performance ..................................... 5
MUSA490 Senior Capstone ................................... 0

(MUS-A342 University Choral, or MUS-A344 University Master Singers, or MUS-A346 Ensemble Group)
Total Required hours: 35

* or Class Piano III (MUS-A250) and/or Class Piano IV (MUS-A251)

Related Hours:
Private Study: Applied Music .................................. .16
Senior Recital .................................................. .0
Piano Proficiency Exam ......................................... .0

All Music majors choosing the Music Performance Emphasis are required to be a member of the University Choral, Mastersingers or Ensemble Group during each semester of enrollment in the program.

Musical Studies (non-performance) Emphasis:
MUSA227 Music Theory/Musicanship I ..................... 3
MUSA228 Music Theory/Musicanship II ..................... 3
MUSA327 Music Theory III .................................. 3
MUSA329 Music Theory IV .................................. 3
MUSA330 Music History I .................................. 3
MUSA331 Music History II .................................. 3
MUSA441 Conducting ........................................ 5
MUSA226 Music Computer Skills .......................... 1
MUSA126 Class Piano I* ................................. 2
MUSA127 Class Piano II* .................................. 2
MUSA441 Conducting ........................................ 3
MUSA226 Music Computer Skills .......................... 1
MUSA327 Music Theory III .................................. 3
MUSA329 Music Theory IV .................................. 3
MUSA330 Music History I .................................. 3
MUSA331 Music History II .................................. 3
MUSA441 Conducting ........................................ 3
MUSA226 Music Computer Skills .......................... 1
MUSA126 Class Piano I* ................................. 2
MUSA127 Class Piano II* .................................. 2

(MUS-A342 University Choral, or MUS-A344 University Master Singers, or MUS-A346 Ensemble Group)

Total Required Hours: 35 - plus additional courses according to one of four options listed.

Related Hours
Students are encouraged to choose related hours in Studio Art or Theatre Skills courses.
Piano Proficiency Exam ......................................... .0

All Music majors choosing the Musical Studies emphasis are required to be a member of the University Choral, Mastersingers or Ensemble Group during each semester of enrollment in the program.

Theatre (B.A.)
www.slu.edu/departments/utheatre/

The Theatre Program offers a B.A. in Theatre that produces graduates who are prepared to enter M.F.A. programs in theatre and M.A. programs in drama, or to enter the job market for actors and technicians for theatrical productions, or to creatively market the variety of skills that they have acquired as undergraduates for use in non-theatrical venues such as law, training, sales, promotion, marketing and other types of presentational activities.

These goals are accomplished through a combination of theoretical classroom explorations and practical production of plays. The curriculum requires a balanced and broad study of all aspects of theatre with historical, theoretical and skill-based components. The Theatre Program produces a series of plays
that challenge students to consider diverse values, viewpoints and expressions of the creative imagination. The collaborative atmosphere among students and faculty members on both the theoretical challenges of classroom projects and the practical realization of our public performances prepare students to present clearly and appropriately their imaginative ideas to others and to make adjustments to their work according to the constructive criticism of faculty mentors.

The practical aspects of producing plays are a direct extension of the classroom activities presented. Theatre majors and minors are formed into a company of actors, designers and technicians that is responsible, with the mentorship and participation of faculty and staff, for all aspects of each departmentally produced work. 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 of all aspects of theatre production. The formation of a company allows us to highlight the collaborative nature of theatre and the importance of shared commitment and responsibility in pursuit of a shared goal. Direct participation in production is a requirement for a significant portion of the students’ academic career and it is strongly encouraged that they avail themselves of this opportunity throughout their entire academic career.

Major (B.A.) in Theatre

Students may complete the Theatre Studies curriculum without audition or portfolio review, though all prerequisites for classes, as designated, still apply. All students pursuing the major in Theatre must also participate in an individual annual review with the Theatre Faculty where the student’s progress, work habits, and skill level in performance and technical areas will be discussed.

Theatre Essentials (9 credit hours):
THRA150 Introduction to Theatre (REQ) 3

Select 6 hours from the following:
THRA350 Playscript Analysis 3
THRA451 Theatre History I 3
THRA452 Theatre History II 3

Core Competencies (18 credit hours):
THRA251 Acting I (REQ) 3
THRA252 Stagecraft (REQ) 3

Select 12 hours from the following:
THRA253 Acting II: Rehearsal & Performance 3
THRA254 Voice & Diction 3
THRA256 Movement for the Theatre 3
THRA258 Makeup for the Stage 3
THRA263 Laban Movement Analysis 3
THRA265 Introduction to 3 Dimensional Design 3
THRA266 Introduction to Computer Aided Design 3
THRA268 Stage Construction 3
THRA257 Scenic Art 3
THRA357 Advanced Scenic Art 3
THRA362 Stage Management 3

Advanced Coursework (6 credit hours):
THRA360 Professional Theatre: Career Preparation (REQ) 3

Select 3 hours from the following:
THRA352 Advanced Acting: Auditioning 3
THRA456 Directing 3
THRA457 Advanced Acting: Scene Study 3
THRA459 Advanced Acting: Physical Characterization & Period Movement 3
THRA462 Advanced Acting: Special Topics 2-3

THRA305 Advanced 3 Dimensional Design 3
THRA450 Costume Design 3
THRA453 Scenic Design 3
THRA454 Lighting Design 3

Allied Craft Skills (3 credit hours):
Any combination of the following courses may be used to fulfill this distribution requirement.

MUS-A141 or MUS-A341 Applied Music 2 max.
MUS-A140 Lower Division Class Music 2
MUS-A542 University Chorale 1-2
THRA259 Jazz Dance 2
THRA260 Modern Dance 2
Any Studio Art Course
Any Art History Course

Practicum Requirement (0 credit hours):
THRA355 Theatre Practicum (P/F only) (REQ)

Majors must pass 6 semesters of Theatre Lab.

Total Hours Required: 36 hours - plus additional courses according to one of four options listed below.

Option 1: Completion of a Minor in another department (15-21 hours)

Option 2: Completion of a Certificate Program (18-30 hours)

Option 3: Completion of a second Major in another department (36 hours or more)

Option 4: Completion of related elective courses approved by academic advisor (15 hours minimum)

Typical Course of Study

Each student’s sequence of courses will vary according to emphasis within the department, ability level, and career interests. Following is one possible course of study for a student with no previous college credits or summer courses. Note: Fine and Performing Arts majors are not required to fulfill the Fine Arts Core Requirement.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td></td>
<td>Theatre Essential Req.</td>
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<td>Theatre Core Comp. Req.</td>
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<td>Core: ENG-A100</td>
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<td>Core: MT-A120</td>
<td>3</td>
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<td>15</td>
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</tbody>
</table>

|               | Theatre Core Comp. Req. | 3 | Theatre Core Comp. Dist. | 3 |
| Theatre Core Comp. Dist. | 3 | Theatre Essential Dist. | 3 |
| Theatre Essential Dist. | 3 | Core: Science | 3 |
| Core: Foreign Lang. | 3 | Core: Foreign Lang. | 3 |
| Core: PL-A205 | 3 | Core: TH-A200 level | 3 |
| 15 | 15 |

|               | Theatre Core Comp. Dist. | 3 | Theatre Core Comp. Dist. | 3 |
| Related Hours | 3 | Related Hours | 3 |
| Core: ENG-A200 level | 3 | Core: PL-A300/400 level | 3 |
| Core: Cultural Diversity | 3 | Core: TH-A300/400 level | 3 |
| Core: Foreign Language | 3 | Core: Social Science | 3 |
| 15 | 15 |

<p>|               | Theatre Adv. Course Req. | 3 | Theatre Adv. Course Dist. | 3 |
| Related Hours | 3 | Related Hours | 3 |
| Related Hours | 3 | Core: ENG-A300/400 level Lit | 3 |
| Core: Social Science | 3 | Elective | 3 |</p>
<table>
<thead>
<tr>
<th>Elective</th>
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<td>3</td>
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</tbody>
</table>

**Minor in Art History**

3 hours ARH-A100, Approaching the Arts or ARH-A101 History of Art

3 hours Ancient or Medieval Art: ARH-A350 Classical Art; ARH-A430 Greek Art; ARH-A431 Roman Art; ARH-240 Medieval Art Survey; ARH-A340 Romanesque Art; ARH-A341 Gothic Art; ARH-A435 Medieval Illuminations; or ARH-A441 Medieval Women & Art

3 hours Renaissance Art: ARH-A350, Early Renaissance Art/Culture; ARH-A450 Papacy and Art; ARH-A492, Special Topics; ARH-A352, Modern Art


3 hours Studio Art: ARS-A200 Drawing; or ARS-A210, Design

3 hours ARH-A490 Research Methods

Total hours: 18

**Minor in Music**

3 hours of Fine and Performing Arts Introduction: MUS-A100 Approaching the Arts or a substitute course approved by Department Chair

9 hours Music courses chosen from the following:

- MUS-A126 Class Piano I
- MUS-A127 Class Piano II
- MUS-A227 Music Theory/Musicanship I
- MUS-A228 Music Theory/Musicanship II
- MUS-A327 Music Theory III
- MUS-A330 History of Music I
- MUS-A331 History of Music II
- Music Project: Open Workshop

6 hours Applied Music or Music Performing Organizations

Total: 18 hours

**Minor in Studio Art**

3 hours ARS/ARH 100 Approaching the Arts or ARH 101 History of Art

12 hrs Studio Art courses chosen from the following:

- ARS-A200 Drawing I
- ARS-A210 Design
- ARS-A220 Painting
- ARS-A230 Printmaking; Etching
- ARS-A240 Sculpture
- ARS-A250 Computer Art I

3 hours One course chosen from the ARS-A300 level

Total: 18 hours

**Minor in Theatre**

**Theatre Essentials (9 credit hours):**

- THR-A150 Introduction to Theatre (REQ.) ........................................ 3

Select 6 hours from the following:

- THR-A350 Playwright Analysis ....................................................... 3
- THR-A451 Theatre History I ............................................................ 3
- THR-A452 Theatre History II ........................................................... 3

**Core Competencies (12 credit hours):**

- THR-A251 Acting I (REQ.) ............................................................... 3
- THR-A252 Stagecraft (REQ.) ............................................................ 3

Select 6 hours from the following:

- THR-A252 Acting II: Rehearsal & Performance ................................. 3
- THR-A254 Voice & Diction ................................................................. 3
- THR-A256 Movement for the Theatre ................................................. 3
- THR-A258 Laban Movement Analysis .............................................. 3
- THR-A259 Introduction to 3 Dimensional Design ............................... 3
- THR-A260 Introduction to Computer Aided Design ............................ 3
- THR-A250 Costume Construction ................................................... 3
- THR-A254 Voice & Diction ................................................................. 3
- THR-A258 Laban Movement Analysis .............................................. 3
- THR-A297 Advanced Scenic Art ...................................................... 3
- THR-A362 Stage Management ......................................................... 3

**Practicum Requirement (1 credit hours):**

- THR-A355 Theatre Practicum (P/F only) (REQ.)

Minors must pass 3 semesters of Theatre Lab

Total Hours Required: 21

**History**

history@slu.edu

http://www.slu.edu/departments/history

**Thomas F. Madden, Ph.D., Chair**

**Faculty:**

- Robert B. Anderson, S.J.
- Christine E. Caldwell, Ph.D.
- John Mark Carroll, Ph.D.
- Donald T. Critchlow, Ph.D.
- Charles J. Fleener, Ph.D.
- Philip R. Gavitt, Ph.D.
- James F. Hitchcock, Ph.D.
- Thomas F. Madden, Ph.D.
- George O. Ndege, Ph.D.
- Charles H. Parker, Ph.D.
- Elisabeth I. Perry, Ph.D.
- Lewis C. Perry, Ph.D.
- Jennifer J. Popeil, Ph.D.
- Michal J. Rozbicki, Ph.D.
- T. Michael Ruddy, Ph.D.
- Mark E. Ruff, Ph.D.
- Daniel L. Schlaflly, Jr., Ph.D.
- Paul Shore, Ph.D.
- Silvana Siddali, Ph.D.
- Warren Treadgold, Ph.D.
- Hayrettin Yücesoy, Ph.D.

The Department of History offers students the opportunity to learn about the human story across the centuries and around the globe. Our majors come to read critically, analyze carefully, and write clearly and persuasively. They are prepared for careers in business, education, law, government service, and many other fields. Survey courses in the Origins of the Modern World and American History provide a broad overview; upper division courses explore particular eras, themes, and regions in depth; and small research seminars sharpen historical skills under close faculty supervision. A variety of internships at museums, libraries, historical sites, and businesses allow students to put their training to use in the real world. The department also offers a focused minor in history; both the major and minor in history can be combined with another academic major or minor.
History (B.A.)

Prerequisites
HS-A111 Origins of the Modern World to 1600
HS-A112 Origins of the Modern World 1600 to the Present

Required Courses
HS-A260 History of the United States to 1865
HS-A261 History of the United States Since 1865

24 Hours of Upper-division history, 300 and 400 level courses. Two upper-division courses in fields closely related to history can be substituted to fulfill 6 hours of this requirement with the approval of the student’s advisor. This 24 hour requirement must include the following:
3 hours of pre-1600 European history
3 hours of Modern European history since 1600
3 hours of United States history
3 hours of non-western history including Asian, African, or Latin American
6 hours (or more) of two three-hour seminars: one in American history and one in either European or non-Western history. Both seminars will count toward upper-division distribution requirements, and both are open to non-majors with permission of instructor.

Typical Course of Study

First Semester Second Semester

FRESHMAN
HS-A260 3 Core: ENA-A190 3
Core: HS-A111 3 Core: PL-A105 3
Core: MFA-A120 3 Core: TH-A100 3
Core: Science 3 Core: Science 3
  15 15

SOPHOMORE
Core: HS-A304 3 Core: HS-A346 3
Core: HS-A320 3 Core: HS-A330 3
HS-A490 3 Core: HS-A491 3
Core: Foreign Lang 3 Core: Foreign Lang 3
Core: PL-A205 3 Core: TH-A200 level 3

  15 15

JUNIOR
HS-A492 3 Core: HS-A Elective 3
Elective 3 Elective 3
Core: ENA-A200 level 3 Core: PL-A300/400 level 3
Core: Cultural Diversity 3 Core: Social Science 3
Core: Foreign Lang 3 Core: TH-A300/400 level 3

  15 15

SENIOR
HS-A Elective 3 Core: HS-A490 3
Elective 3 Core: HS-A496 3
Elective 3 Elective 3
Core: Fine Arts 3 Elective 3
Core: Social Science 3 Core: ENA-A300/400 level Lit. 3

  15 15

Minor in History
A student may pursue a minor in History by taking fifteen (15) hours of history course work beyond HS-A111 and HS-A112 core requirements. The fifteen hours must include at least one course in three of the four following areas:

United States
Europe Before 1500
Europe Since 1500
Non-western, including Asian, African, or Latin American

At least one of these courses must be a 400 level seminar.

Honors Program
honors@slu.edu
http://www.slu.edu/departments/honors

Duane H. Smith, Ph.D., Director

The University Honors Program offers a twenty-four hour (minimum) course of study which complements the student’s major through special sections of many core courses and innovative seminars, leading to the Senior Honors Thesis. Class size in most Honors courses is smaller than for an equivalent non-Honors course. The Program offers the students opportunities to pursue more individually tailored courses of study to enhance their undergraduate experience. Students can earn the Honors bachelor’s degree through the College of Arts and Sciences, the College of Public Service, the School of Business and Administration, the School of Nursing, the School of Allied Health Professions, and the School of Social Service.

Prerequisite
Entrance into the Honors Program is determined by prior academic performance, achievement on college entrance examinations, and interest in the program, as explained in the Honors Brochure.

Course of Study
The Honors Program offers a flexible structure that can complement a wide range of majors and disciplines. Students are required to take the Freshman Honors Seminar, “Crossroads,” one upper-level Honors seminar, complete a Senior Thesis, and maintain a grade point average of 3.5; the Honors Director will re-evaluate students who fall below the 3.50 GPA. To graduate with an Honors degree, the student must have a 3.50 or higher GPA at the time of graduation. Program requirements follow:

I. A minimum of 24 hours of Honors courses, which includes:
   A. HR-A190 Crossroads: An Introduction to Honors;
   B. One upper-level Honors Seminar;
   C. At least 12 hours of upper-division course work in Honors (300- or 400-level);
   D. HR-A490 Senior Honors Thesis.

II. Students can earn Honors credit in a variety of ways
   A. By contracting non-Honors course for Honors credit.
   B. By undertaking an independent study
   C. By study abroad.
   D. Other ways of earning Honors credit and procedures governing how Honors credit can be earned are outlined in the Honors Degree Requirements brochure, periodically updated by the Honors Program.

III. HR-A495 Senior Residency (0 hours).

IV. Honors courses may not be taken on a Pass/No Pass basis.

Transfer students who request entry into the Program must have a GPA of 3.50 in their previous career. Individual applicants will be evaluated by the Director to determine how many Honors courses the student must take at Saint Louis University to complete the Honors degree. Normally, transfer students will
be required to take at least four courses in the Program, all of which must be at the 300 or 400 level. Beside maintaining the required GPA of 3.30, all transfer students must take an upper-level Honors Seminar and complete the Senior Thesis requirement. Rules and procedures governing independent study or contract courses for Transfer Students are outlined in the Honors Program Brochure periodically updated by the Honors Program.

International Studies

Paul Garcia, Ph.D., Director

International Studies at Saint Louis University offers a cross-disciplinary approach to understanding culture, language, and society, as well as various historical, political and economic issues affecting different areas of the world today. The program is designed to provide skills and knowledge for students seeking to bring an international dimension to their careers. At the same time, students enhance their education by deepening their understanding of global concerns.

As business, government, law, telecommunications, service organizations and finance are more and more drawn into the global arena, the International Studies major provides an attractive preparation for careers in a growing number of areas. Some examples of career possibilities include: international law, investment, advertising, journalism, research organizations, commerce, government agencies, United Nations agencies, etc.

Requirements for the International Studies Major:

Students choosing the major in International Studies create a course of study according to their special interests and other a reas of concentration. Because of the interdisciplinary character of the International Studies program, students must pursue a second major in another field such as political science, history, modern languages and literatures, English, international business or communications. Areas of focus include Europe, Africa/the Middle East, Asia, and the Americas.

In selecting their courses for the International Studies major, students need to meet the following requirements:

1. Certificate-level proficiency in a modern language other than the native language.

2. Residency abroad, whether for study or work. Lengths of study and work programs vary (e.g., semester; academic year). Students need to obtain approval from the IS advisor before deciding on a particular program.

3. Internship (ISA-491) with an international business or POL-A468, "Foreign Service Internship." Students should consult with their IS advisor and complete an approval form before selecting an option.

4. Computer proficiency. Students must demonstrate, by examination, computer proficiency in word processing and familiarity with Internet operations.

5. 31 hours of International Studies courses.

6. A minimum cumulative grade point average of 3.0 is required.

Of the 31 hours needed, four courses (10 cr. hr.) constitute "core" and are required:

a) ISA-110, Orientation to International Studies (1 cr.)

b) One course from the following (3 cr.):

- ECN-B190: "Principles of Economics"
- ECN-B312: "Intermediate Macroeconomics**
- POL-A160: "Introduction to International Politics"
- POL-A261: "Introduction to Diplomacy"
- CMM-A330: "Intercultural Communication"
- SCA-361: "Sociology of International Relations"

* with the permission of the Department of Economics

(c) A course relating to Contemporary Culture or History focusing on an area or areas outside the United States (3 cr.). Students may select from the following courses or complete an equivalent course in a Study Abroad program:

- FR-GR: RU-SPA-A325

(d) International internship (3 cr.) (described above).

The remaining 21 hours may be selected from the list of courses below. Because this is a multi-disciplinary degree, courses should come from at least two different subject areas. Students may also petition to have courses with an international focus taken abroad applied toward the International Studies major. Courses marked by an * may be included among the 21 hours if they have not already been selected as part of the IS "core".

Social Sciences:

- PSY-A290, PSY-A430, PSY-A433, PSY-A434

Humanities:

- ARH-A102, ARH-A180, ARH-A270, ARH-A280, ARH-A314, ARH-A380, ARH-A470, ARH-A480, ARH-A485
- FR-GR: RU-SP. See above, "Contemporary Culture and History" course listing.

- RU-A325, RU-A420
- RS-See above, "Contemporary Culture and History" course listing.

- H-See above, "Contemporary Culture and History" course listing.
Business:
IBS-B200, IBS-B302, IBS-B480
MGFT-B426, MKF-B455

Saint Louis University - Lyon
POL-F251, POL-F293, POL-A364, POL-A393, POL-F493,
SOC-F361, SOC-F498, ENG-A365, ENG-F493, FR-F401,
FR-F493, FR-F498,
TH-F397, ENG-F498, ECN-F488, ECN-F430, ARH-F101,
ECN-F450, IBS-F493, IBS-F300, PL-F465, PL-F493

Saint Louis University - Madrid campus
ANF-E320, CMM-E140, CMM-E295, POL-E160, POL-E252,
POL-E357, POL-E362, POL-E367, POL-E393, ARH-E320,
ARH-E321, ARH-E424, ENG-E478, HS-E433, HS-E460, HS-E467,
ECN-E379, ECN-E389, ECN-E393, ECN-E398, IBS-E200,
IBS-E480, MGT-E218, MGT-E416, MKTE-300, MKTE-455,
SC-E120, SC-E326, SC-E327

The Beijing Center for Language & Culture - Beijing
CHIN-101, CHIN-102, CHIN-203, CHIN-204, CHIN-298,
ARHS-425, ECOS-498, FILM-498, HIST-483, HGMT-491,
MRKT-444, PHIL-398, POLS-398, POLS-496, SOCJ-398,
THST-398

Vesalius College, Vrije Universiteit - Brussels
ART-261, ART-361, CMM-102, CMM-152/252, CMM-261,
CMM-271, CMM-302, CMM-322, CMM-523, CMM-341,
CMM-551, ECN-105, ECN-104, ECN-201, ECN-234, ECN-271,
ECN-302, ECN-307, ECN-334, ENV-101, HIS-112, HIS-151,
HIS-161, HIS-202, HIS-213, HIS-315, HIS-316, HIS-341,
HIS-351, LAW-333, LFR-208, LFR-261, LGE-213, LFR-321,
LGE-214, LGE-216, POL-102, POL-131, POL-211, POL-212,
POL-231, POL-233, POL-311, POL-314, POL-317,
POL-332, PSY-104, PSY-204, SOCJ-111, SOCJ-262, SOCJ-333

Typical Course of Study

Because of the interdisciplinarity nature of the International Studies major and the residency abroad component, an individual student's program of study will vary according to area of emphasis and career interest. Each student's sequence of courses is therefore planned to meet his or her own specific needs and requirements. The accompanying model is intended only as an example of how such a course of study in International Studies might be constructed.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
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<td>FRESHMAN</td>
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<tr>
<td>IS-A110</td>
<td>POL-A160</td>
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<td>Core: TH-A100</td>
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<td>Core (Sc. Sc.): ECN-B190 -</td>
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<td>Core: ENG-A190</td>
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| SOPHOMORE      |                 |
| HS-A326        | FR-A315         |
| Core: Foreign Language | Core: PLA205   |
| Core: PLA105   | Core: Science   |
| Core: ENG-A200 level | Core: FR-A310 |
| Core: TH-A100  | TH-A233 (for Core) |
|                |                 |
| 15             |                 |

| JUNIOR*        |                 |
| FR-A410        | Core: Science   |
| FR-A415        | PLA-481        |
|                |                 |
|                |                 |
|                |                 |

* freshman students might choose to spend one or two semesters of study abroad in their junior year. Other time periods are also possible.

SENIOR
IS-A491        | ARH-A 380      |
ENG-A352       | POL-A364      |
CMM-A330       | Elective      |
Elective       | Elective      |
Elective       | Elective      |
| 15             | 15            |

Mathematics and Computer Science

James Hebda, Ph.D., Interim Chair

Faculty:
Anneke Bart, Ph.D.
Russell Blyth, Ph.D.
John Cantwell, Ph.D.
Bryan Clair, Ph.D.
Bradley Currey, Ill, Ph.D.
Hongming Ding, Ph.D.
James Dowdy, Ph.D.
Kimberly Druschel, Ph.D.
Charles Ford, Ph.D.
Raymond Freese, Ph.D.
Michael Goldwasser, Ph.D.
Steven Harris, Ph.D.
James Hebda, Ph.D.
David Jackson, Ph.D.
Brady Johnson, Ph.D.
John Kallioni, Ph.D.
David Letscher, Ph.D.
Michael May, S.J., Ph.D.
Greg Marks, Ph.D.
Julianne Rainbolt, Ph.D.
James Riles, Ph.D., Professor Emeritus
Kevin Scannell, Ph.D.
Darrin Speegle, Ph.D.
T. Christine Stevens, Ph.D.
Michael Tsau, Ph.D.
Dennis Walker, D. Sc.

Mathematics and Computer Science courses meet the needs of students with a wide variety of interests. We offer several introductory courses to satisfy the core curriculum requirements, as well as courses that provide students in other disciplines with the mathematical and computational background that they need for their chosen fields of study. Students who major in Mathematics and Computer Science are prepared for careers in business, industry, government, and education, or for further study at the graduate level. With their emphasis on careful reasoning and the analysis and solution of problems, the Mathematics and Computer Science are also appropriate majors for students planning careers in law or medicine. In addition to programs for majors, the Department also offers minors in Mathematics, Engineering, Mathematics, and Computer Science.

Mathematics (B.A.)

Required Courses
MTA142 Calculus I
MTA143 Calculus II
MTA244 Calculus III - must be taken at Saint Louis University with a grade of at least "C"
MTA266 Principles of Mathematics
MTA315 Introduction to Linear Algebra

Students then choose one of the following three options. A 2.00 or "C" GPA is required in upper division mathematics courses counting toward the major.

Pure Mathematics
MTA411 Introduction to Abstract Algebra
MTA412 Linear Algebra
MTA421 Introduction to Analysis
MTA422 Metric Spaces
One additional upper division MTA course

Applied Mathematics
Any two of the year-long sequences: MTA355, 455 or 457;
MTA401, 402; MTA411, 412; MTA421, 422; MTA451, 452.
One additional upper division MTA course

Teachers Option
MTA401 Elementary Theory of Probability
MTA405 History of Mathematics
MTA411 Introduction to Abstract Algebra
MTA441 Foundations of Geometry
One additional course chosen from the following:

MTA355 Differential Equations
MTA402 Introductory Mathematical Statistics
MTA425 Theory of Numbers
MTA447 Non-Euclidean Geometry
(An appropriate upper-division mathematics elective may be substituted, with the approval of the student’s mathematics advisor.)

Typical Course of Study

<table>
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<tr>
<th>First Semester</th>
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<tr>
<td>MTA142</td>
<td>MTA143</td>
</tr>
<tr>
<td>Core: HS-A111</td>
<td>Core: HS-A112</td>
</tr>
<tr>
<td>Core: ENGA190</td>
<td>Core: TH-A100</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
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<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

| **SOPHOMORE**  |                 |
| MTA244         | MTA315          |
| MTA266         | Core: Science   |
| Core: ENG-A200 level Lit. | Core: Fine Arts |
| Core: PLA105   | Core: TH-A200 level |
| Core: Foreign Language | Elective       |
| 16             | 15             |

| **JUNIOR**     |                 |
| MTA (upper div. sequence) | MTA (upper div. sequence) |
| Core: PLA205    | Core: PLA300/400 level |
| Core: TH-A300 level | Core: Science |
| Core: ENG-A300 level Lit. | Elective       |
| Elective       | Elective        |
| 15             | 15             |

| **SENIOR**     |                 |
| MTA (upper div. sequence) | MTA (upper div. sequence) |
| Core: PLA205    | Core: PLA300/400 level |
| Core: TH-A300 level | Core: Science |
| Core: ENG-A300 level Lit. | Elective |
| Elective       | Elective        |

Co-operative Engineering Program with Washington University in Mathematics
In addition to the general requirements of the Co-operative Engineering Program given earlier in this Catalog, the student must satisfy the applied math option by taking the year-long differential equations and complex variables sequences at Saint Louis University. The student is allowed to take the MTA elective at Washington University.

Mathematics Minor
A minor in mathematics consists of:

MTA142 - Calculus I
MTA143 - Calculus II
MTA244 - Calculus III
MTA266 - Principles of Mathematics
MTA315 - Introduction to Linear Algebra

and one further course in upper division mathematics, chosen with attention to prerequisites.

Engineering Mathematics Minor
Students seeking a Minor in Engineering Mathematics must complete four upper-division courses in subjects traditionally of importance to engineers. Linear Algebra (MTA311, MTA315), Differential Equations (MTA355, MTA455, MTA457), Probability and Statistics (MTA401, MTA402, MTA403) and Complex Variables (MTA451, MTA452) or additional courses that may be designated by the Department of Mathematics and Mathematical Computer Science. Note that the prerequisites for these courses must also be met.

Computer Science (B.A.)

Required courses:
CS-A120: Computer Science I
CS-A220: Computer Science II
CS-A240: Computer Science III
CS-A231: Logic Design
CS-A311: Programming Languages
CS-A331: Computer Architecture
CS-A451: Operating Systems
CS-A461: Software Engineering

Two additional upper division CS-A courses.

Required related courses in mathematics:
MTA142: Calculus I
MTA143: Calculus II
MTA244: Calculus III
MTA266: Principles of Mathematics
MTA315: Introduction to Linear Algebra

Typical Course of Study

<table>
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<td><strong>FRESHMAN</strong></td>
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<tr>
<td>MTA141</td>
<td>MTA142</td>
</tr>
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<td>Core: HS-A111</td>
<td>Core: HS-A112</td>
</tr>
<tr>
<td>Core: ENGA190</td>
<td>Core: TH-A100</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
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<tr>
<td>15</td>
<td>16</td>
</tr>
</tbody>
</table>

| **SOPHOMORE**  |                 |
| MTA143         | MTA244          |
| Core: PLA105   | Core: TH-A200 level |
| Core: Foreign Language | Elective       |
| 15             | 16             |
**Medieval Studies**

**David T. Murphy, Ph.D., Director**

**Undergraduate Certificate in Medieval Studies**

The certificate calls for a total of 21 hours of undergraduate coursework, consisting of a one credit hour introductory course, a three credit hour Latin component, five three credit hour courses in various disciplines, and a two credit-hour capstone course. It should be pointed out that students considering such a certificate program are not faced with a block of 21 credit hours to be added to those of the Core and of their Major (s) or Minor. Several of these courses can do “double-duty” either in the student’s major or minor, or among the Core requirements.

The certificate program is truly interdisciplinary in scope and approach and takes advantage of traditional strengths within the College of Arts and Sciences. At 21 credit hours, the program falls into the low end of the range of aggregate credits for certificate programs. (18-30) and provides an attractive complement to any major within the college. In schematic display, the requirements are as follows:

**MR-A200** Introduction to Medieval Studies .......... 1
**LT-A210** Intermediate Latin (or higher) .......... 3

One 3 credit hour course chosen from each of the following six disciplines (15 cr. hr. total):

**MR-AXXX** Medieval Art History .......... 3
**MR-AXXX** Medieval Literature .......... 3
**MR-AXXX** Medieval History .......... 3
**MR-AXXX** Medieval Philosophy .......... 3
**MR-AXXX** Medieval Political Science .......... 3

**MR-AXXX** Medieval Theology .......... 3

Sub-total: 15

**MR-A400** Medieval Synthesis .......... 2

Total: 21 credit hours

**Latin Language:**

Competence in Latin through the intermediate level is required of all candidates.

**LT-A210** Intermediate Latin (offered every Fall)
**LT-A410** Introduction to Post- Classical Latin (offered every other Fall)
**LT-A411** Medieval Latin Readings (offered every Spring)

**Medieval Art History:**

This elective can be chosen from among the following:

**ARH-A240** Medieval Art Survey
**ARH-A340** Romanesque Art
**ARH-A341** Gothic Art
**ARH-A441** Medieval Women and Art

**Medieval Literature:**

This elective can be chosen from among various offerings from the departments of English and Modern and Classical Languages:

**ENG-A422** to **ENG-A429** term-length courses on English medieval literature
**SPA-A441** Spanish Literary Culture
**FR-A493** Special Topics
**GR-A495** Special Topics
**IT-A495** Special Topics
**RU-A495** Special Topics
**SPA-A495** Special Topics

**Medieval History:**

This elective can be chosen from among the following:

**HSA-A030** Byzantine History
**HSA-A034** The Middle Ages to 1100
**HSA-A035** The Middle Ages 1100-1450
**HSA-A036** History of the Crusades

**Medieval Philosophy:**

**PL-A450** History of Medieval Philosophies

**Medieval Political Sciences:**

**POL-A371** Ancient & Medieval Classics in Political Thought

**Medieval Theology:**

**TH-A220** Special Topics/Historical Theology
**TH-A320** Special Topics/Historical Theology
**TH-A434** Medieval Church History

**MR-A400: Medieval Synthesis:** the program’s capstone course, offered each semester, is a 2-credit hour course requiring the candidate to write a research paper approximately 35 pages in length on a medieval topic approached from an interdisciplinary point of view, written with the guidance of a member of the faculty.

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**Micah House Program**

**Donald V. Stump, Ph.D., Director**

Micah House is a faith-based residential, academic, and service program integrated around the theme of social justice and peace in the American city. The program has three aims: to promote interdisciplinary approaches to academic study of urban problems, to undertake sustained and significant service...
projects among the poor and disadvantaged, and to foster leadership and community among its members. Students of all faiths and all majors are welcome to participate.

**Primary Offerings:**
In collaboration with a number of academic departments, Micah House offers cross-listed courses relevant to issues of social justice and peace in the American city. During terms when Micah House students are enrolled in one or more of these courses, they are required to perform 30 hours of community service in the Shaw Neighborhood and to attend weekly Community Night meetings. Students pursuing a Micah House Certificate in Community Service, Social Justice, and Peace in the American City take at least 12 hours of study in these primary offerings, which may also be used to satisfy Core curriculum requirements and requirements for majors or minors in the departments with which they are cross-listed.

**Freshman-Year Project**
Entering students apply in their senior year of high school. During their freshman year at the University, they normally live together in a special area of a residence hall and enroll in special Micah House sections of the following introductory Core courses:

- MH-A100 Theological Foundations (3). Cross-listed with TH-A100.

These courses are taught in pairs and are coordinated to encourage interdisciplinary study and reflection. In the fall, students enroll in Theological Foundations and Greek Philosophy, exploring ideals of justice and social order in the Judeo-Christian and Greco-Roman traditions. In the spring, students take Psychology and Advanced Writing, examining psychological and social problems that hinder the realization of such ideals.

**Companions Project:**
Students not affiliated with the Freshman-Year Project may become involved in Micah House by taking one or more of the courses listed below. Those who have completed the Freshman-Year Project may also continue their studies in the program in these courses.

- MH-A397 Metropolitan Environment. Cross-listed with PPS-I397
- MH-A490 Senior Practicum (3).

To receive credit toward a certificate in Community Service, Social Justice, and Peace in the American City, a student must contract with the instructor to focus at least one paper or substantial project on problems relevant to the student’s Micah House service.

**Secondary Offerings:**
Up to two of the courses listed below may also be taken for credit toward the Micah House certificate. Unlike Primary Offerings, these courses do not require community service, Community Night meetings, or special papers or projects related to service in order to count toward the certificate.

- PL-A478 Catholic Social Thought (3)
- PPS-I408 Urban Issues: Poverty and Unemployment (3)
- PPS-I410 Introduction to Urban Economics (3)
- PPS-I425 Introduction to Urban Classics (3)
- PSY-A430 Social Psychology (3)
- PSY-A472 Developmental Psychology of African-American Children (3)
- SC-A330 Social Psychology (3)
- SC-A356 Race, Ethnicity and Racism (3)
- SC-A355 Juvenile Delinquency (3)
- SW-S226 Self in Society (3)
- SW-S302 The American Social Welfare System (3)
- SW-S327 Diversity Issues in Social Work Practice (3)
- TH-A487 Spirituality and Political Commitment (3)

Other University courses that explore general issues of peace and justice, particular problems of urban America, or applied solutions to those problems may (at the discretion of the Director) count as Secondary Offerings.

**Typical sequence of courses:**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FRESHMAN</td>
</tr>
<tr>
<td>MH-A100*</td>
<td>Core: MH-A110*</td>
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<tr>
<td>MH-A190*</td>
<td>Core: MH-A190*</td>
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<tr>
<td></td>
<td>SOPHOMORE</td>
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<tr>
<td>MH-A215*</td>
<td>Core: MH-A305*</td>
</tr>
<tr>
<td></td>
<td>JUNIOR</td>
</tr>
<tr>
<td>MH-A397</td>
<td>Core: MH-A434*</td>
</tr>
<tr>
<td></td>
<td>SENIOR</td>
</tr>
<tr>
<td>PPS-I408</td>
<td>MH-A490*</td>
</tr>
</tbody>
</table>

* Courses marked with an asterisk offer an illustration of the sort of coursework needed to satisfy requirements for the certificate in Community Service, Social Justice, and Peace in the American City.

Micah House courses may also be counted toward the Core or toward a major or a minor. Students who wish to have their courses satisfy such outside requirements should take them under the departmental course number rather than that assigned by Micah House (TH-A100, for example, rather than MH-A100).

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**Modern and Classical Languages**

**Reinhard A. Andress, Ph.D., Chair**

**Faculty:**

- Reinhard A. Andress, Ph.D.
- Olga I. Arbelaez, Ph.D.
- Yelena Belyaeva-Stanand, Ph.D.
- Simone Bregni, Ph.D.
- Marie E. Cantona, Ph.D.
- Anthony C. Daly, S.J., Ph.D.
- Lois C. Hamrick, Ph.D.
- Anthony D. Houston, Ph.D.
Teresa H. Johnson, Ph.D.
Julia R. Lieberman, Ph.D.
Kathleen M. Llewellyn, Ph.D.
Oscar R. Lopez, Ph.D.
Ana M. Monteno, Ph.D.
David T. Murphy, Ph.D.
Jean-Louis J. Pautrot, Ph.D.
Claude N. Pavur, S.J., Ph.D.
Pascale Perraudin, Ph.D.
Nil Sánchez, Ph.D.
Angela Smart, Ph.D.
Mauricio M. Souza, Ph.D.
Gregory A. Wolf, Ph.D.

To learn a language other than one's own native tongue is to enter a whole new culture. As we enter the 21st century, the broadest opportunities for employment and advancement will belong to those college graduates who can function in more than one language. Beyond the more practical nature of this advantage, the study of the language, literature, and culture of another society is a tremendously enriching experience and is one of the hallmarks of a truly educated person. The Department of Modern and Classical Languages is pleased to be able to provide such an experience by offering programs of study in French, German, Hebrew, Hindi, Italian, Portuguese, Russian, and Spanish, together with Greek, Latin, and Classical Humanities.

In addition to individual courses in the lower and upper divisions, students can choose to pursue the Certificate of General Proficiency in a language, or a Minor or Major in a given language and literature. In increasing numbers of students choose to combine language study with another discipline, and in this way earn a double major.

**Majors: French, German, Russian, Spanish - Bachelor of Arts Curriculum Requirements (B.A.)**

**Prerequisites:**
All upper division courses, courses above the 309-level, require language competency equivalent to courses numbered 110, 115, and 210 (nine credit hours). All upper division literature courses have as prerequisites: 310, 315 and 410, 415.

**Required Courses**

**French and Spanish**

Oral and written communication (courses numbered 310, 315, and 410, 415): 12 hours. Literature and/or linguistics or advanced study of the language (up to nine credits can be in related fields with approval of the department): 18 hours.

**German**

This program requires 31 upper division hours in German Studies, starting with 310.

**Russian**

The interdisciplinary Russian Studies program requires 21 hours of upper division credit in language and literature within the department and 9 hours of work outside the department in other disciplines, for a total of 30 hours.

Among the 21 hours to be earned within the Department the following courses are required: RU-A310 and RU-A315: Oral and Written Proficiency I and II, for 6 hours; RU-A410: Fluency in Russian, for 3 hours; and RU-A325: Russian Culture and Civilization, for 3 hours. Students then select 9 hours of elective credit from among the Russian offerings.

The 9 hours to be earned outside of the department are represented by the following courses: HS-A329: Russian History Since 1905; PLA-474: The Philosophy of Karl Marx; and POL-A253: Soviet and Post Soviet Politics.

**Remaining hours:** Students may select a double major, approved minor, or certificate program to reach the total of 120 hours required for graduation.

**Typical Course of Study**

Each student's sequence of courses will vary according to advanced placement, individual preference and career goals. The following is one possible sequence for a student with no entering college credits.

**French**

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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<tbody>
<tr>
<td>FRA110</td>
<td>FRA115</td>
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<tr>
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<td>Core: HS-A111</td>
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<td>Core: ENG-A190</td>
<td>Core: TH-A100</td>
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<td>Core: Science</td>
<td>Core: MT-A120</td>
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<tr>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

**SOPHOMORE**

| FRA210         | FRA310         |
| Core: ENG-A200 level | Core: ENG-A300 |
| Core: PL-A105     | Core: PL-A205  |
| Core: Science    | Core: Cultural Div. |
| 15              | 15              |

**JUNIOR**

| FRA410         | FRA Lit. or Culture |
| FRA415         | FRA Business French |
| Core: Cultural Diversity | Core: PL-A300/400 level |
| Core: TH-A200 level | Core: TH-A300 level |
| Elective       | Elective         |
| 15             | 15              |

**SENIOR**

| FRA Literature | FRA Literature |
| FRA Literature | FRA French or related hours |
| Elective       | Elective        |
| Elective       | Elective        |
| 15             | 15              |

**German**

**FRESHMAN**

| GRA110         | GRA115         |
| Core: Social Science | Core: Fine Arts |
| Core: HS-A111   | Core: HS-A112  |
| Core: ENG-A190  | Core: TH-A100  |
| Core: Science   | Core: MT-A120  |
| 15             | 15              |

**SOPHOMORE**

| GRA210         | GRA310         |
| Core: ENG-A200 level | Core: ENG-A300 |
| Core: PL-A105     | Core: PL-A205  |
| Core: Science    | Elective       |
| 15              | 15              |
### Core: Social Science

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
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| Elective | 3 |

**Total:** 15

### JUNIOR

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<tr>
<td>Core: Cultural Diversity</td>
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<tr>
<td>Core: TH-A200 level</td>
<td>3</td>
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<tr>
<td>Core: PL-A300/400 level</td>
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**Total:** 16

### SENIOR

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<tr>
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<tr>
<td>Elective</td>
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<td>3</td>
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<tr>
<td>Elective</td>
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**Total:** 15

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### Russian

#### FRESHMAN

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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RUS-101</td>
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<tr>
<td>Core: Social Science</td>
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<tr>
<td>Core: H-S-111</td>
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<tr>
<td>Core: ENG-A190</td>
<td>3</td>
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<tr>
<td>Core: Science</td>
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**Total:** 15

#### SOPHOMORE

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>RUS-210</td>
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<tr>
<td>Core: EN-G-A200 level</td>
<td>3</td>
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<tr>
<td>Core: PL-A105</td>
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<td>Core: Science</td>
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</tbody>
</table>

**Total:** 15

#### JUNIOR

<table>
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<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>RUS-305</td>
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<tr>
<td>Core: Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Core: TH-A200 level</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
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</tbody>
</table>

**Total:** 15

#### SENIOR

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>RUS-410</td>
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</tr>
<tr>
<td>Elective</td>
<td>3</td>
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<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
<tr>
<td>Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total:** 15

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### Classical Languages: Classical Humanities, Greek, Latin - Bachelor of Arts Curriculum Requirements (B.A.)

**Greek and Latin Languages and Literature**

**Prerequisites**

Foundation in Greek and Latin through the intermediate level: GKB-110, 115, 210, or the equivalent; LA-110, 115, 210, or the equivalent.

**Required Courses**

Upper division course work in Greek and Latin, at least six hours in each language, 24 credit hours.

Remaining hours: Students may select a double major, an approved minor, or a certificate program to reach the total of 120 hours required for graduation. (Minimum number of hours allowed)

---

### Classical Humanities

**Required Courses**

Course work in in the language, literature, history, religion, culture, and life of Greek and Roman antiquity and its later development. Either Greek through the intermediate level, or the equivalent, or Latin through the intermediate level, or the equivalent, or LG-A405 and LG-A410 must be included. All of these may be included. Additional upper-division courses must be included to bring the total hours to 27 hours.

Remaining hours: Students may select a double major, an approved minor or a certificate program to reach the total of 120 hours required for graduation.

**Typical Course of Study**

Each student’s sequence of courses will vary according to credits taken in high school, ability level, individual preference and career goals. The following is one possible sequence for a student entering with no college credits.

**Greek and Latin Languages and Literature**

The prerequisites for this degree consist of Latin and Greek through the intermediate level.
### Study Abroad Programs

<table>
<thead>
<tr>
<th>Program Name</th>
<th>Sponsoring Dept.</th>
<th>Eligibility (*)</th>
<th>Language</th>
<th>Length</th>
<th>Financial Aid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SLU’s Own Campus</strong></td>
<td></td>
<td></td>
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<td></td>
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</tr>
<tr>
<td><strong>Spain - SLU Madrid Campus</strong></td>
<td>International Center / Madrid Campus</td>
<td>All majors, class standings Min. GPA 3.0,</td>
<td>English and Spanish College Spanish</td>
<td>Sept. - Dec./Jan.-May Summer, June-July Interim Courses</td>
<td>Madrid Campus tuition All financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Study Abroad Programs</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>China - The Beijing Center</strong></td>
<td>International Center</td>
<td>Business &amp; Arts Sciences Juniors Min. GPA 2.8</td>
<td>English</td>
<td>Semester or year long Aug.-Dec./ Jan.-May Summer, May-July</td>
<td>SLU-Fast Tuition, All Financial aid applies Additional expenses apply (**) Freeman Scholarship available</td>
</tr>
<tr>
<td><strong>France - OVS in Lyon</strong></td>
<td>French Department</td>
<td>Junior standing preferred Min. GPA 2.75 Completed FR310 or FR315 or equivalent</td>
<td>French</td>
<td>Year long: Sept.-July</td>
<td>SLU-Fast tuition, All Financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Netherlands - Maastricht Center for Transatlantic Studies</strong></td>
<td>American Studies</td>
<td>Arts &amp; Sciences, Business Sophomores, Juniors, Seniors Minimum GPA 2.7</td>
<td>English</td>
<td>Blocks of 3.5 weeks Aug.-Dec./ Feb.-June Summer: May-July</td>
<td>SLU-Fast tuition, All Financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Belgium - Vesalius College</strong></td>
<td>Center for International Studies</td>
<td>Arts &amp; Sciences, Business Sophomores, Juniors, Seniors Minimum GPA 2.75</td>
<td>English</td>
<td>Semester or year long Aug.-Dec./ Jan.-May Summer: May-July</td>
<td>SLU-Fast tuition, All Financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>El Salvador - Casa de Solidaridad</strong></td>
<td>International Center</td>
<td>Most majors - Juniors &amp; Seniors Min. GPA 2.75 Strong commitment to community service</td>
<td>Spanish</td>
<td>Aug.-Dec. Jan.-May</td>
<td>SLU-Fast tuition, All financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Exchanges</strong></td>
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<tr>
<td><strong>France - ESSCA in Angers</strong></td>
<td>Boeing Institute of International Business</td>
<td>Business Sophomores &amp; Juniors, Min. GPA 2.5</td>
<td>English and French</td>
<td>Jan.-May / May-July</td>
<td>SLU-Fast tuition, All financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Sweden - Jönköping IB School</strong></td>
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<td><strong>Belgium - UFSIA in Antwerp</strong></td>
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<td><strong>Denmark - Aarhus School of Business</strong></td>
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<td><strong>Germany - Georg Simon Ohm</strong></td>
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<tr>
<td><strong>Sweden - Växjö University</strong></td>
<td>Political Science</td>
<td>Arts &amp; Sciences, Business, Engineering Sophomores, Juniors, Seniors</td>
<td>English</td>
<td>Semester in modules Aug.-Jan./Jan.-June</td>
<td>SLU-Fast Tuition, All Financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Germany - Goethe University</strong></td>
<td>Philosophy Department</td>
<td>Arts &amp; Sciences majors mainly Proficiency in German</td>
<td>German</td>
<td>Oct.-Feb. April-July</td>
<td>SLU-Fast Tuition, All Financial aid applies Additional expenses apply (**)</td>
</tr>
<tr>
<td><strong>Mexico - Universidad Iberoamericana</strong></td>
<td>Center for International Studies</td>
<td>Applications evaluated on an individual basis - All majors Certificate-level proficiency in Spanish</td>
<td>Spanish</td>
<td>Individual semesters Summer Year long</td>
<td>SLU-Fast Tuition, All Financial aid applies Additional expenses apply (**)</td>
</tr>
</tbody>
</table>

Students interested in any of these Study Abroad programs should contact the International Center Office, Dubourg Hall 150. Students may also call the International Center at (314) 977-2318 or visit the International Center website at www.slu.edu/centers/international

Language majors interested in Study Abroad programs may also contact the Chair of the Modern and Classical Languages Department, Ritter Hall 336, (314) 977-2450.
First Semester | Second Semester
---|---
**FRESHMAN**
LTA110 or Elective: Classics 3  | LTA115 or GKA110 3  
Core: Fine Arts 3  | Elective: Classics 3  
Core: HS-A111 3  | Core: HS-A112 3  
Core: ENG-A190 3  | Core: TH-A100 3  
Core: Science 3  | Core: MFA120 3  
15  | 15

**SOPHOMORE**
LTA210 or GKA115 3  | GKA210 or Elective: Classics 3  
Core: ENG-A200 level Lit. 3  | Core: Elective 3  
Core: PLA105 3  | Core: ENG-A300 3  
Core: Science 3  | Level Lit. 3  
Core: Social Science 3  | Core: PLA205 3  
15  | 15

**JUNIOR**
Elective: Classics 3  | Elective: Classics 3  
Core: Social Science 3  | Elective: Classics 3  
Core: TH-A200 level 3  | Elective 3  
15  | 15

**SENIOR**
Elective: Classics 3  | Elective: Classics 3  
Elective 3  | Elective 3  
Elective 3  | Elective 3  
Elective 3  | Elective 3  
15  | 15

Total Departmental Hours Required for Degree: 27

**Certificate Program in Modern and Classical Languages**
The Department of Modern & Classical Languages offers Certificates of General Proficiency (French, German, Russian and Spanish), Classical Humanities, Greek and Latin. The Department also offers a Certificate in Italian Studies and participants in the Russian and East European Studies Certificate Program. Specific requirements for each appear in the section, “Certificate Programs.”

**Minors in Modern and Classical Languages**
The Department of Modern & Classical Languages offers minors in French, German, Greek, Latin, Russian, and Spanish.

**Minor in French**
FR-A310 3  
FR-A315 3  
FR-A410 3  
FR-A415 3  
FR-A400 level elective 3  
15

**Minor in German**
GR-A310 4  
GR-A315 4  
GR-A410 4  
GR-A400 lit. electives 6  
18

**Minor in Greek**
GKA110 3  
GKA115 3  
GKA210 3  
GKA400 level electives 9  
18

**Minor in Latin**
LTA110 3  
LTA115 3  
LTA210 3  
LTA300/400 level elect. 9  
18

**Minor in Russian**
RU-A305 3  
RU-A310 3  
RU-A315 3  
RU-A300/ -400 level electives 6  
15

**Minor in Spanish**
SPA-A310 3  
SPA-A315 3  
SPA-A410 3  
SPA-A415 3  
SPA-A400 level elective 6  
18
English As A Second Language Program

Faculty:
Linda Wallace Jones, M.A., Director

English as a Second Language (ESL)
The English as a Second Language program provides (a) linguistic evaluation of incoming international students for academic placement, (b) an Intensive English Program, Intermediate to Advanced levels, and (c) academic composition and literature courses to meet the English proficiency needs and core curriculum requirements of university-matriculated international students.

English as a Second Language offers an Intensive English Program designed to assist students preparing for university admission. Incoming students are interviewed and tested for placement in the program. Academic English skills are taught at the Intermediate, High Intermediate and Advanced Levels, including 27 hours per week of instruction at each level. Students in the High Intermediate and Advanced levels can earn a maximum of six hours elective credit (or 3 hours in the Summer Semester) toward graduation in the College of Arts and Sciences. Part-time students taking ESL on a semi-intensive basis may earn three credit hours. The Test of English as a Foreign Language (TOEFL) is administered at the end of each semester.

English as a Second Language also offers sections of freshman and advanced composition, as well as Introduction to Literature, for matriculated undergraduate international students. These courses fulfill the Core Curriculum requirements, and are equivalent to parallel courses taught by the English Department. In addition, composition courses focusing on research and documentation are offered for international graduate students. Academic students needing additional support may enroll in part-time ESL classes, as needed, to improve their English skills.

English as a Second Language Curriculum
(Intensive English for Foreign Students)
Available classes and activities in the intensive English program total 27 hours per week and include the following:

Course numbers in Fall and Spring sessions (15 weeks):
- ESL-A090 Intensive English for Foreign Students:
  Intermediate Level (2-6)
- ESL-A100 Intensive English for Foreign Students:
  High Intermediate Level (2-6)
- ESL-A110 Intensive English for Foreign Students:
  Advanced Level (2-6)

Course numbers in Summer session (8 weeks):
- ESL-A095 Intensive English for Foreign Students:
  Intermediate to Advanced Intermediate Level (1-3)
- ESL-A105 Intensive English for Foreign Students:
  Advanced Intermediate to Advanced Level (1-3)


Lower Division Courses for university-matriculated students
ESL-A115 Semi-Intensive English for Foreign Students: (3)
(Students placed according to individual needs)

ESL-A150 Process of College Comp. for Foreign Students (3)
PREREQUISITE: English Placement Exam; 525 TOEFL; minimum 4.0 TWE rating. Course to improve proficiency in written expression. Intensive practice in paragraph and expository essay writing; study of rhetorical principles and techniques, including cross-cultural comparisons of patterns of rhetoric. Equivalent to ENGA150. Offered Fall and Spring semesters.

ESL-A190 Advanced Strategies of Rhetoric and Research for Foreign Students (3) PREREQUISITE: ESL-A150. Course designed to develop foreign students' skills in expository writing, and ability to read and analyze expository essays. Study of principles and techniques of argumentation and persuasion through analysis of assigned readings; writing of organized essays based on reading selections, and writing of research paper using appropriate methodology and documentation. Equivalent to ENGA190. Offered Fall and Spring semesters.

ESL-A211 Introduction to Literature for Foreign Students (3)
PREREQUISITE: ESL-A190. Introduction to literary genres: short story, poetry and novel forms. Introduction to methods of approaching literature through critical reading, class discussion and written analysis. Equivalent to one 200-level English Literature course. Offered Fall Semester.

ESL-A490 Composition and Research Paper Writing for International Graduate Students (3) PREREQUISITE: Testing by ESL faculty. Study of U.S. research skills: assessing research topics, incorporating and organizing material, using required citation formats. Students proceed from shorter essays to a longer research paper. Regular individual conferences.

ESL-A491 Research Paper Writing for International Graduate Students (1) PREREQUISITE: Testing by ESL faculty. Students will practice library research skills, note-taking techniques, and citation formats in order to write an argumentative research paper appropriate for a U.S. graduate school.

Philosophy

Theodore R. Vitali, C.P., Ph.D., Chair

Faculty:
Michael D. Barber, S.J., Ph.D.
Gregory Beabout, Ph.D.
Scott J. Berman, Ph.D.
Richard J. Blackwell, Ph.D. - Emeritus
James F. Bohman, Ph.D.
Susan Brower-Toland, Ph.D.
William C. Charron, Ph.D.
John P. Doyle, Ph.D.
Alicia M. Finch, Ph.D.
Garth L. Hallett, S.J., Ph.D.
Dan Haybron, Ph.D.
Monte Johnson, Ph.D.
John E. Kavanagh, S.J., Ph.D.
Colleen Mccluskey, Ph.D.
Jacak C. Marler, Ph.D.
Vincent C. Punzo, Ph.D.
Clyde P. "Scott" Rieland, Ph.D.
William B. Rehg, S.J., Ph.D.
Joe Salemro, Ph.D.
The Philosophy Department offers a Bachelor of Arts degree. The undergraduate courses address the cultural, critical and religious objectives of a complete education. The study of philosophy is intended to lead to an understanding of the foundation of ethics and the application of ethical principles; to the development of critical and reflective thought; and to discussion and application of the grounds from which to examine the meaning of life.

The Philosophy Department offers three majors tracks:
Historical, Health Sciences and Society and Law.

**The Historical Undergraduate Track in Philosophy**

**Required Courses: 30 hours**

One course in each of the following areas:
- PL-A105 Introduction to Philosophy .......................... 3
- PL-A205 Ethics ................................................. 3
- PL-A320 Philosophy of Being or ............................... 3
- PL-A325 Philosophy of God .................................... 3
- PL-A404 Modern Logic ......................................... 3
- PL-A440 Ancient .................................................. 3
- PL-A450 Medieval ............................................... 3
- PL-A460 Modern .................................................. 3
- PL-A47X or 48X Contemporary ................................. 3
- Electives .................................................................. 6

**Additional Requirement**

Senior inquiry satisfied by one of the following:

- PL-A488 Project ..................................................... 0.6
- PL-A489 Comprehensive Examination .......................... 0

Remaining Hours: Any of the approved minors or certificate programs offered by the College of Arts and Sciences can be completed to reach the total of 120 hours required for graduation.

**The Health Sciences Undergraduate Track in Philosophy**

The value of this track is that its systematic courses enable students with appropriate science backgrounds to achieve a degree of integration between science and philosophy that is far greater than could be obtained solely via the more consistently historical orientation of the historical major in Philosophy.

**Required Courses: 30 hours**

- PL-A105 Introduction to Philosophy .......................... 3
- PL-A205 Ethics ................................................. 3
- PL-A440 History of Ancient or ............................... 3
- PL-A450 Medieval ............................................... 3
- PL-A460 History of Modern .................................... 3
- PL-A404 or PL-A406 Logic ........................................ 3

One (1) course that focuses on a fundamental issue:

Two (2) of the following:
- PL-A336 Medical Ethics, PL-A415 Philosophy of the Physical Sciences, PL-A482 Biology and Mind ................................. 6

**Philosophy electives at the 300 or 400 level] ........................................................................ 6
**Senior Inquiry ............................ 0-3 hours

To fulfill his or her science requirements, a student must either:
* Major or minor in Biology, Chemistry or Psychology
* Complete the science requirements of Preprofessional Health Studies Students
* Complete a minimum of 16 hours in the sciences with 8 hours at the upper division (300-400) level.

Philosophy majors who choose this last option must also consult with faculty outside of the Philosophy Department in order to determine appropriate science courses.

**Society and Law Undergraduate Track in Philosophy**

The advantage of this track is that it prepares a student through careful philosophical study for careers dedicated to law, the welfare of society and public service.

**Required Courses: 30 hours**

- PL-A105 Introduction to Philosophy .......................... 3
- PL-A205 Ethics ................................................. 3
- PL-A440 History of Ancient or ............................... 3
- PL-A450 Medieval ............................................... 3
- PL-A460 History of Modern .................................... 3
- PL-A404 or 406 Logic ............................................. 3

One (1) course that focuses on a fundamental issue:
- PL-A453 Philosophy of Law ...................................... 3

One (1) course that focuses on social/ethical issues:
- PL-A338 Business Ethics, PL-A336 Medical Ethics, PL-A340 Ethics and Engineering, PL-A418 Philosophy of the Social Sciences or PL-A485 Topics in Advanced Ethics ................................. 3
- Philosophy Electives at the 300 and 400 levels .................. 6
- Senior Inquiry ...................................................... 0-3 hours

Remaining Hours: The student may select a double major or an approved minor or a certificate program to reach the total of 120 hours required for graduation. The philosophy electives and topics for the senior inquiry are chosen in consultation with the faculty advisor.

**Typical Course of Study**

The accompanying course of study is not intended to indicate a required course of study. It is intended to serve as a model around which a student may construct his or her own program.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
</tr>
<tr>
<td>Core: ENG-A190</td>
<td>Core: ENG-A200</td>
</tr>
<tr>
<td>Level Lit.</td>
<td>Level Lit.</td>
</tr>
<tr>
<td>Core: PL-A105</td>
<td>Core: HS-A111</td>
</tr>
<tr>
<td>Core: Foreign Lang.</td>
<td>Core: PL-A205</td>
</tr>
<tr>
<td>Core: MT-A120</td>
<td>Core: Foreign Lang.</td>
</tr>
<tr>
<td>Core: Science</td>
<td>Core: Science</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

| **SOPHOMORE**   |                 |
| Core: TH-A100   | Core: Social Science |
| Core: Foreign Lang. | PL-A300/400 level |
| Core: HS-A111   | Core: PL-A404 |
| Core: ENG-A300 level Lit. | Elective |
| PL-A320 or 325  | Elective        |
| 15              | 15              |
Political Science (B.A.)
The department offers the Bachelor of Arts degree, the requirements for which are as follows:

Major Program Requirements
33 hours including the following courses:

One course in each of the following sub-fields of Political Science:

- American Politics .................................................. 3
- Comparative Politics .............................................. 3
- International Relations ........................................... 3
- Political Thought ................................................... 3

POL-A300 Methods in Political Science
or POL-A301 Cultural Analysis ................................. 3
POL-A482 Senior Inquiry ........................................ 3

As an alternative to POL-A482, students having a grade-point average of 3.30 or better may, with Department Chair approval, take POL-A483, an individual research project under the supervision of a Political Science faculty member.

There is also a Political Science Honors Program with an Honors Thesis which can substitute for the capstone seminar (POL-A482). It is explained below.

15 hours of Political Science electives

Total Political Science hours: 33

Political Science majors may not take more than six hours of independent study (POL-A498), and/or internship work toward the 33-hour Political Science requirement. Beyond the 33 hours, however, a student may elect to take more independent study and/or internship work.

Electives to complete 120 Hours

These electives are chosen in consultation with faculty adviser.

The Department of Political Science participates in the Political Journalism Certificate program which is open to any major. Electives may include an approved minor or Certificate Program in the College of Arts and Sciences. See “Certificate Programs” for specific requirements.

Minor
In addition, the Department of Political Science offers a Minor. A Minor in Political Science can be attained by taking 18 hours (or six courses) distributed either in a General Track (three courses in three of the four major subfields of political science, and three political science electives) or a Specialized Track (three courses in just one of the four major subfields of the discipline, and three political science electives).

Course Streams
To give some focus to a major, students are encouraged to develop streams of 3 or 4 courses in at least one of the four sub-fields or a cross-sub-field area of interest (like social justice or democratization or legal studies) in political science. Thus, students would start with the sub-field introductory course and follow with 2 or 3 other courses in this sub-field. Students should consult with department faculty advisors to develop relevant course streams.

Honors Thesis
There is also a Political Science Honors Program option for qualified and highly motivated students. These students need to inform the Department Chair of their interest in the spring of their Junior Year. Students doing an Honors Thesis must have a Political Science GPA of 3.4 and an overall GPA of 3.3. This pro-
gram involves a full year, two course sequence: POL-A490: Research Design and POL-A491: Political Science Honors Thesis. Students doing honors theses will have a 36 hour major.

**Typical Course of Study**

It is recognized that the particular needs and interests of individual students vary widely. The following typical course of study is intended to serve as a model around which a student may construct his or her program.

<table>
<thead>
<tr>
<th>First Semester</th>
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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
</tr>
<tr>
<td>Core: ENG-A190</td>
<td>Core: Foreign Lang.</td>
</tr>
<tr>
<td>Core: Foreign Lang.</td>
<td>Core: HS-A112</td>
</tr>
<tr>
<td>Core: Cultural Div.</td>
<td>Core: TH-A100</td>
</tr>
<tr>
<td>POL-A110</td>
<td>POL-A160</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

| **SOPHOMORE**  |                 |
| Core: Foreign Lang. | Core: TH-A205 |
| Core: ENG-A200 level Lit. | Core: ENG-A300 |
| Core: PL-A105 | Core: Science |
| Core: Science | Core: Fine Arts |
| POL-A150 | Core: PL-A205 |
| 15 | 15 |

| **JUNIOR**     |                 |
| Core: TH-A365 | Core: TH-A300 level |
| POL-A300 | POL-A372 |
| POL-A170 | POL-A440 |
| Elective | Elective |
| Elective | Elective |
| 15 | 15 |

| **SENIOR**     |                 |
| Core: PL-A300/400 level | POL-A Elective |
| POL-A482 | POL-A Elective |
| POL-A Elective | Elective |
| Elective | Elective |
| Elective | POL-A495 |
| 15 | 15 |

The following courses should be taken in the first/second years by Pre-Law Scholars who are students in the School of Business and Administration:

- ACC-B220 Financial Accounting
- ACC-B222 Managerial Accounting
- DSC-B207 Introduction to Business Statistics
- ECN-B190 Principles of Economics
- ENG-A190 Advanced Strategies/ Rhetoric & Research
- History, Political Science, or Sociology
- MIS-B200 Management Information Systems
- MFA-A120 College Algebra
- MFA-A152 Survey of Calculus
- Natural Science
- PL-A105 Historical Introduction to Philosophy
- PL-A205 Ethics
- PLS-A291 Foundations of Law
- PSY-A101 General Psychology
- TH-A100 Theological Foundations

51 hours

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**Psychology**

http://www.slu.edu/colleges/AS/psy/

**Ronald T. Kellogg, Ph.D., Chair**

**Faculty:**

- A. Michael Anch, Ph.D.
- Chamnie C. Austin, Ph.D.
- James D. Churchill, Ph.D.
- Eddie M. Clark, Ph.D.
- John F. Cross, Ph.D., Professor Emeritus
- D. Gene Davenport, Ph.D., Professor Emeritus
- Donna Eisenstadt, Ph.D.
- Phyllis Terry Friedman, Ph.D.
- Je frey D. Geller, Ph.D.
- Judith L. Gibbons, Ph.D.
- Frank H. Gilner, Ph.D.
- Paul J. Handal, Ph.D.
- Richard Harvey, Ph.D.
- Honore M. Hughes, Ph.D.
- James H. Korn, Ph.D.
- Thomas J. Kramer, Ph.D.
- Janet Kuebl, Ph.D.
- Donna LaVoie, Ph.D.
- Michael R. Leippe, Ph.D.
- David C. Munz, Ph.D.
- Joan Miles Oliver, Ph.D.
- Kimberly K. Powlisha, Ph.D.
- Michael J. Ross, Ph.D.
- Edward S. Sabin, Ph.D.
- Jillon Vander Wall, Ph.D.
- Terri Lynn Weaver, Ph.D.

Psychology is presented both as a science that strives to understand human nature and as a helping profession. Majors are prepared for graduate study in psychology and other professions, and develop self-awareness and the ability to manage their own lives. The department offers both undergraduate and graduate degrees.

**Psychology (B.A.)**

**Required Courses**

A grade of C or better in PSY-A101, General Psychology is required for acceptance as a major.

A minimum of 31 credit hours in Psychology including PSY-
### Sociology and Criminal Justice

**http://www.slu.edu/colleges/AS/socj/**

**Charles Edward Marske, Ph.D., Chair**

**Richard P. Selter, Ph.D., Director**

**Graduate Studies:**

Norman White, Ph.D., Director

**Criminal Justice Program:**

Gretchen Arnold, Ph.D.
Lorenzo Covarnubias, Ph.D.
Scott Harris, Ph.D.
Kathryn E. Kuhn, Ph.D.
Charles Edwa rd Marske, Ph.D.
Katherine C. MacKinnon, Ph.D.
Dyan McGuire, J.D., Ph.D.
William J. Monahan, Ph.D.
Jeff Rojek, Ph.D.
Richard Selter, Ph.D.
Chuck Terry, Ph.D.
Sabrina Watson-Tyuse, Ph.D.
Norman White, Ph.D.

The Department of Sociology and Criminal Justice offers a variety of courses which are directed toward understanding the patterns and processes of social life. The focus is on perspectives that can enable students to be involved in concerns of social justice. As we are living in an increasingly diverse and globalized world, cross-cultural approaches are emphasized.

The department offers a number of options for undergraduates. It offers a Bachelor of Arts degree in Sociology, a Bachelor of Arts degree in Criminal Justice, a Certificate Program in Forensic Science, a minor in Sociology, a minor in Criminal Justice, and a minor in Anthropology. In addition, two double majors are offered, one in Sociology and International Studies and the second in Criminal Justice and International Studies.

### Sociology (B.A.)

#### Required Courses (36 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-A110</td>
<td>Introduction to Sociology</td>
<td>3</td>
</tr>
<tr>
<td>SC-A120</td>
<td>Introduction to Anthropology</td>
<td>3</td>
</tr>
<tr>
<td>SC-A330</td>
<td>Social Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SC-A414</td>
<td>Theories of Society</td>
<td>3</td>
</tr>
<tr>
<td>SC-A492</td>
<td>Research Methods</td>
<td>3</td>
</tr>
</tbody>
</table>

**Stratification – Choose One**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-A323</td>
<td>Gender and Society</td>
<td>3</td>
</tr>
<tr>
<td>SC-A356</td>
<td>Racial and Ethnic Relations</td>
<td>3</td>
</tr>
<tr>
<td>SC-A450</td>
<td>Social Stratification</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-A333</td>
<td>Corporate and White Collar Crime</td>
</tr>
<tr>
<td>SC-A338</td>
<td>Political Sociology</td>
</tr>
<tr>
<td>SC-A342</td>
<td>Organizations: Theory and Practice</td>
</tr>
<tr>
<td>SC-A343</td>
<td>Marital Age and the Family</td>
</tr>
<tr>
<td>SC-A459</td>
<td>Law and Society</td>
</tr>
<tr>
<td>SC-A494</td>
<td>Sociology Capstone</td>
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</tbody>
</table>

#### Electives** (12 hours)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>SC-A318</td>
<td>World Geography</td>
</tr>
<tr>
<td>SC-A321</td>
<td>Demography: Population Characteristics and Trends</td>
</tr>
<tr>
<td>SC-A322</td>
<td>Urban Sociology</td>
</tr>
<tr>
<td>SC-A335</td>
<td>Social Movements</td>
</tr>
<tr>
<td>SC-A40</td>
<td>Cultural Anthropology</td>
</tr>
<tr>
<td>SC-A41</td>
<td>Physical Anthropology</td>
</tr>
<tr>
<td>SC-A44</td>
<td>Third World Development</td>
</tr>
<tr>
<td>SC-A45</td>
<td>The Sociology of Development: Latin America</td>
</tr>
<tr>
<td>SC-A50</td>
<td>Current Social Problems</td>
</tr>
</tbody>
</table>

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### Typical Course of Study

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
</tr>
<tr>
<td>Core: ENG-A150</td>
<td>Core: ENG-A190</td>
</tr>
<tr>
<td>Core: PSYA101</td>
<td>Core: PSYA205</td>
</tr>
<tr>
<td>Core: Foreign Lang</td>
<td>Core: Foreign Lang</td>
</tr>
<tr>
<td>Core: PL-A105</td>
<td>Core: MT-A120</td>
</tr>
<tr>
<td>Core: TH-A100</td>
<td>Core: PL-A205</td>
</tr>
<tr>
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<td>15</td>
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</tbody>
</table>

| **SOPHOMORE**  |                 |
| PSYA-A430     | PSYA-A439      |
| PSYA-A426     | PSYA-A421      |
| Core: Foreign Lang | Core: Fine Arts |
| Core: HS-A111  | Core: TH-A221  |
| Related Hours | Core: HS-A112  |
| 16             | 15              |

| **JUNIOR**     |                 |
| PSYA-A431     | PSYA-A480      |
| Core: ENG-A200 | Core: PSYA74   |
| Related Hours | Core: ENG-A300 |
| 15             | 15              |

| **SENIOR**     |                 |
| PSYA-A480     | PSYA-A411      |
| PSYA-A424     | PSYA-A308      |
| Related Hours | Related Hours  |
| SC-A323       | PSYA-A475      |
| PSYA-A441     | PSYA-A487      |
| 15             | 15              |

* Related hours: course work in addition to Psychology that the student and faculty advisor believe will enrich the student’s major, which may include a minor or certificate program from another school or department.

### Minor in Psychology

The 18-hour minimum must include the following:

- PSYA101 General Psychology
- One 3-credit hour course in each of the following areas: PSYA-A140-419 and PSYA-A71 Experimental
- PSYA-A240-429 and PSYA-A72 Developmental
- PSYA-A340-439, PSYA-A74 and PSYA-A75 Personality/Social
- PSYA-A440-449 and PSYA-A73 Applied
- Elective: any 3 credit course in Psychology

Minimum residency requirement of 9 credits from the department.
SC-A361 Sociology of International Relations  
SC-A394 African American Religious Traditions  
SC-A400 Sociology Practicum  
SC-A463 Sociology of Religion  
SC-A498 Independent Study  

* After taking one course to meet this requirement, students may take additional courses from those lists as electives.  

** With the approval of the student’s advisor and the departmental chair, a student may take other upper division courses in the department as electives.  

Remaining Hours  
Any of the approved minors or certificate programs offered by the College of Arts and Sciences can be completed to reach the total of 120 hours required for graduation.  

Typical Course of Study  
The following outline is a possible sequence for a student with no entering college credit.  

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
</tr>
<tr>
<td>SC-A110</td>
<td>Core: Science</td>
</tr>
<tr>
<td>Core: Foreign Lang</td>
<td>Core: Foreign Lang</td>
</tr>
<tr>
<td>Core: MFA120</td>
<td>Core: HS-A112</td>
</tr>
<tr>
<td>Core: HS-A111</td>
<td>Core: PL-A105</td>
</tr>
<tr>
<td>Core: ENG-A190</td>
<td>Core: TH-A100</td>
</tr>
<tr>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

| **SOPHOMORE**  |                 |
| SC-A350        | SC-A120         |
| Core: Foreign Lang | Core: PL-A205 |
| Core: TH-A200 Level | Core: ENG-A300 |
| Core: ENG-A200  | Core: Fine Arts |
| Core: Science  | Core: TH-A500 level |
|                | 15              |

| **JUNIOR**     |                 |
| SC-A492        | SC-A414         |
| SC-A Elective  | SC-A Elective   |
| PL-A300/400 level | SC-A Elective |
| SC-A Elective  | Core: Cultural Div |
| Elective       | Elective        |
|                | 15              |

| **SENIOR**     |                 |
| Elective       | SC-A494         |
| SC-A Elective  | SC-A Elective   |
| Elective       | Elective        |
| Elective       | Elective        |
|                | 15              |

Total minimum hours required for graduation: 120

**Criminal Justice (B.A.)**

Required Courses (36 hours)
SC-A110 Introduction to Sociology (prerequisite) 3  
SC-A190 Introduction to Criminal Justice 3  
SC-A330 Social Psychology 3  
SC-A356 Corrections 3  
SC-A357 Theories of Crime 3  
SC-A370 Law Enforcement 3  
SC-A400 Criminal Justice Practicum 6

SC-A439 Criminal Law and Procedure 3  
SC-A465 Criminal Justice Policy 3  
SC-A492 Research Methods 3

Electives* (6 hours, choose two)
SC-A333 Corporate and White Collar Crime 3  
SC-A355 Juvenile Justice 3  
SC-A358 Sociology of Deviant Behavior 3  
SC-A359 Law and Society 3  
SC-A446 Criminal Investigations 3  
SC-A462 Probation, Parole and Community Corrections 3

* With the approval of the student’s advisor and the departmental chair, a student may take other upper division courses in the department as electives.  

A total of 36 hours required in Criminal Justice.  

Remaining Hours  
Any of the approved minors or certificate programs offered by the College of Arts and Sciences can be completed to reach the total of 120 hours required for graduation.  

Additional Requirement  
Students who wish to double-major in Sociology and Criminal Justice must choose four of their five electives in Sociology from non-Criminal Justice courses at the 300 or 400 level.  

Typical Course of Study  
Following is one possible sequence for a student with no entering college credit.  

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
</tr>
<tr>
<td>SC-A110</td>
<td>SC-A190</td>
</tr>
<tr>
<td>Core: PL-A205</td>
<td>Core: Science</td>
</tr>
<tr>
<td>Core: MFA120</td>
<td>Core: Foreign Lang</td>
</tr>
<tr>
<td>Core: HS-A111</td>
<td>Core: HS-A112</td>
</tr>
<tr>
<td>Core: ENG-A190</td>
<td>Core: TH-A100</td>
</tr>
<tr>
<td></td>
<td>15</td>
</tr>
</tbody>
</table>

| **SOPHOMORE**  |                 |
| SC-A350        | SC-A357         |
| Core: Foreign Lang | Core: PL-A205 |
| Core: TH-A200 level | Core: ENG-A or Foreign |
| Core: ENG-A200  | Core: Fine Arts |
| Core: Science  | Core: TH-A300 level |
|                | 15              |

| **JUNIOR**     |                 |
| SC-A370        | Elective        |
| SC-A439        | SC-A356         |
| PL-A300/400 level | SC-A492 |
| Elective       | Elective        |
| Elective       | Elective        |
|                | 15              |

| **SENIOR**     |                 |
| Elective       | SC-A465         |
| SC-A Elective  | SC-A370         |
| Elective       | SC-A Elective   |
| Elective       | SC-A400         |
|                | 15              |

Total hours required for graduation: 120

**Minor in Anthropology**  
For a student to receive a Minor in Anthropology, the following courses need to be completed:  

...
Foundational Courses (9 hours)
SCA120 Introduction to Anthropology ..........................3
or SLU2000 Introduction to Anthropology ..........................3
SCA340 Cultural Anthropology ..................................3
SCA341 Physical Anthropology ..................................3

Required Courses (12 hours)
SCA325 Primate Social Behavior ..................................3
SCA327 The Anthropology of Conservation in Latin America ...3

In addition, select two courses from the following list:
SCA335 Racial & Ethnic Relations ..................................3
SCA345 The Sociology of Development: Latin America ........3
SCA361 The Sociology of International Relations ..................3
SCA450 Social Stratification: Inequality ...........................3

A total of 21 hours are required.

Minor in Sociology
For a student to receive a Minor in Sociology, the following courses need to be completed:
SCA110 Introduction to Sociology ..................................3
SCA120 Introduction to Anthropology ..........................3
SCA330 Social Psychology ...........................................3
SCA414 Theories of Society ..........................................3

In addition to the above 12 hours, take nine hours of upper division courses within Sociology, for a total of 21 hours of Sociology.

Minor in Criminal Justice*
For a student to receive a Minor in Criminal Justice, the following courses need to be completed:
SCA110 Introduction to Sociology ..................................3
SCA190 Introduction to Criminal Justice .........................3
SCA357 Theories of Crime .............................................3
SCA359 Law & Society ................................................3
SCA465 Criminal Justice Policy ..................................3

In addition to the above 15 hours, take six hours from the criminal justice courses listed below, for a total of 21 hours.

Choose two of the following:
SCA335 Corporate and White Collar Crime .......................3
SCA355 Juvenile Justice ...............................................3
SCA356 Corrections ....................................................3
SCA358 Sociology of Deviant Behavior ...........................3
SCA370 Law Enforcement ............................................3
SCA439 Criminal Law and Procedure .............................3
SCA462 Probation, Parole and Community Corrections ........3

* With the approval of the student’s advisor and the departmental chair, a student may take other upper division courses in the department as electives.

Certificate Program in Forensic Sciences
See page 81

Theological Studies

J.J. Mueller, S.J., Ph.D., Chair

Faculty:
Wendy Love Anderson, Ph.D.
Bernhard Asen, Ph.D.
Angelyn Dries, OSF, Ph.D.
Daniel J. Finucane, Ph.D.
John B. Foley, S.J., Ph.D.
James R. Ginther, Ph.D.
J.A. Wayne Hellmann, O.F.M. Conv., Dr.Theol.
Comedia Horn, Ph.D.
James A. Kelhoffer, Ph.D.
Belden C. Lane, Ph.D.
Edwin Lisson, S.J., S.T.D.
Michael J. McClymond, Ph.D.
Ronald E. Modras, Dr. Theol.
J. J. Mueller, S.J., Ph.D.
Francis W. Nichols, D.es Th.
Kenneth L. Parker, Ph.D.
Brian D. Robinette, Ph.D.
G. John Renard, Ph.D.
Rueben Rosario-Rodriguez, Ph.D.
Julie Hanlon Rubio, Ph.D.
Richard L. Schebera, S.M.M., Ph.D.
Kenneth B. Steinhauser, Th.D.
James K. Voiss, S.J., Ph.D.

Theological Studies offers courses in Jewish Scriptures in the Christian Bible, Christian Scriptures, Theology and History, Faith and Reason, Christian Morality and Society, Non-Christian Religious Traditions, and Spirituality and practice. These courses are developed within the context of the Roman Catholic theological tradition in a manner that is ecumenical. All courses are inspired by the mission of Saint Louis University and by the Jesuit education goal of academic excellence and concern for social/global justice.

Theology (B.A.)

See Core Curriculum. After completion of the core course (TH-A100 Theological Foundations), an additional 30 hours of theological study are required, distributed according to the following table:

One course from each of the following areas:

Jewish Scriptures in the Christian Bible (X10-20) ................3
Christian Scriptures (X20-29) ......................................3
Theology and History (X30-49) .....................................3
Faith and Reason (X50-59) ...........................................3
Christian Morality and Society (X60-69) .........................3
Non-Christian Religious Traditions (X70-79) ..................3
Two Theology Electives in any area on 300/400 level ..............6
Senior Seminar I and II ..............................................6

The distribution requires one course on the 200 level (core requirement), and then up to three courses on the 300 level, and at least three courses on the 400 level (not counting the two Senior Seminars). The Non-Christian Religious Tradition may be taken on any level.

Typical Course of Study

Each student's sequence of courses will vary according to ability level, individual preference and career goals. Each student will have a faculty advisor to help with shaping a suitable plan. The following is one possible sequence, for a student with no entering college credits.

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
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</thead>
<tbody>
<tr>
<td>Core: (TH-A100) ..............................................3</td>
<td>TH-A220 ..............................................3</td>
</tr>
<tr>
<td>Core: Foreign Lang .............................................3</td>
<td>Core: Foreign Lang .....................................3</td>
</tr>
<tr>
<td>Core: MT-A120 ................................................3</td>
<td>Core: HS-A112 .........................................3</td>
</tr>
<tr>
<td>Core: HS-A111 ..................................................3</td>
<td>Core: Science ..........................................3</td>
</tr>
<tr>
<td>Core: ENG-A150 ................................................3</td>
<td>Core: Cultural Div .....................................3</td>
</tr>
</tbody>
</table>

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Women’s Studies

Women’s Studies is a disciplined field of study that examines how gender has shaped social practices and the structure of social institutions. Drawing from the social science and the humanities, women’s studies seeks to understand the ethical commitments that compose women and men’s lives and to explore issues of gender and social justice. Majors are prepared for work in the private and public sector.

Women’s Studies Major (B.A.)

Major Requirements:
30 hours including the following required courses:
WS-A197 Introduction to Women’s Studies
WS-A390 or WS-A481 Feminist Theory
WS-A401 Cultural Analyses of Gender
WS-A485 Capstone Course

18 credit hours of women’s studies courses at the 200 level or higher.

Courses may be taken under the women’s studies number or under the cross-listing department number.

For women’s studies majors no more than six hours of independent study and/or internships work will count toward the total 30 hours for the major; a total of 120 hours are required for graduation. A minimum residence requirement of 9 credits includes the capstone course. Majors should consult with the women’s studies director for assistance in constructing their program of study.

Typical Course of Study

<table>
<thead>
<tr>
<th>First Semester</th>
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<td>Core: ENG-A190</td>
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<td>WS-A197</td>
<td>15</td>
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<td>WS-A293</td>
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<td>SOPHOMORE</td>
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<tr>
<td>Core: Foreign Lang</td>
<td>3</td>
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<td>Core: PL-A200 level</td>
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<td>Core: Fine Arts</td>
<td>3</td>
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<td>Core: PL-A205</td>
<td>3</td>
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<tr>
<td>WS-Elective</td>
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<td>JUNIOR</td>
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<td>Core: TH-A365</td>
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<td>WS-A401</td>
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<td>WS-Elective</td>
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<tr>
<td>SENIOR</td>
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<tr>
<td>Core: PL-A300/400 level</td>
<td>3</td>
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<tr>
<td>Elective</td>
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</table>

Total hours required for graduation: 120

Certificate in Women’s Studies

The Women’s Studies Program offers an 18 hour certificate. This includes two required courses:

WS-A197 Introduction to Women’s Studies (3)
WS-A485 Women’s Studies Capstone Course (3)

12 additional hours selected from courses in women’s studies

Courses must be listed and/or cross-listed as women’s studies courses, but students need not take the course under the women’s studies number. Courses may simultaneously fulfill major, core, and certificate requirements.

1818 Advanced College Credit Program

E. Gayle Rogan, Director

The College of Arts and Sciences within Saint Louis University offers a unique educational opportunity to area high school students. In a collaborative and collegial effort, St. Louis area high schools and Saint Louis University cooperate to provide superior juniors and seniors an academic challenge whereby students may succeed in earning college credit through the University.

Courses offered duplicate the identical course offerings delivered on campus. Teachers in the high schools who teach 1818 Advanced College Credit (ACC) courses are thoroughly
screened by the university department/discipline before being appointed adjunct instructors. Instructors typically meet the requirement for faculty teaching in institutions of high education, as stipulated for accreditation by the North Central Association of Colleges and Schools, Commission on Institutions of Higher Education and Missouri's Coordinating Board of Higher Education.

Advanced courses in nineteen disciplines are taught by adjunct instructors and include Accounting, American Studies, Art, Art History, Biology, Chemistry, English, French, German, History, International Studies, Latin, Mathematics, Physics, Political Science, Psychology, Russian, Spanish, and Theater.

Students may earn up to 30 hours credit toward college graduation in the 1818 Advanced College Credit (ACC) Program; provided they achieve a grade of "C" or above. Students participating in the 1818 ACC Program have an official University transcript. Tuition costs are minimal.

The Academy of the Humanities is a special summer component of the 1818 ACC Program. The Academy is a 2-week interdisciplinary program conducted for selected students to expose them to the art, history, literature, and philosophy which have shaped the development of human history in various parts of the world. Enrollment is limited and students must be recommended by principals of participating high schools. Students are awarded 5 credit hours in the humanities upon successful completion of the course.