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
- Criminal Justice

Earth & Atmospheric Sciences
- Environmental Science
- Geology
- Meteorology

Economics

English

Fine & Performing Arts
- Art History
- Studio Art
- Music
- Theatre

History

International Studies

Mathematics and Mathematical 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

Bachelor of Science Degree (B.S.)
- Biology
- Chemistry

Earth & Atmospheric Sciences
- Environmental Science
- Geology
- Geophysics
- Meteorology

Cooperative Engineering Program (See Special Programs)
- Chemistry/ Engineering
- Mathematics/ Engineering
- Physics/ Engineering

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

African American Studies
Business Administration*
Catholic Studies
Clinical Lab Science*
Classical Humanities

Classical Languages
- Greek or Latin

General Language Proficiency
French
German
Russian
Spanish

Creative & Professional Writing
Health Information Management*
Management Information Systems (M.I.S.)*
Medieval Studies
Micah House
Community Service, Social Justice, and Peace in the American City
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:

American Studies
Biology
Communication
Computer Science
Geology
English
Engineering Mathematics
Environmental Science
Fine & Performing Arts
Art History
Music
Studio Art
Theatre
History
Social Work*
Marketing* (Comm. Majors only)

*Minors open to Arts and Sciences students housed in, Business and Administration, Social Services, and Parks College. 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)
   c. Double Major
   d. 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 via Webstar, 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 via Webstar or 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. 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.
2. enroll in a Senior Inquiry, if required by the major department
3. enroll in the departmental 495 or senior residency course (for 0 hours) during the semester in which he or she intends to graduate.
4. complete a degree application via Webstar or 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. have at least a 2.00 cumulative average, a 2.00 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 via Webstar or in the Dean’s Office at the beginning of the semester in which he or she intends to graduate.

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 or complete applications via Webstar.
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 of Arts 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.

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:

<table>
<thead>
<tr>
<th>Component:</th>
<th>Credit Hours</th>
</tr>
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<tbody>
<tr>
<td>Foundations of Discourse</td>
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<tr>
<td>Cultural Diversity</td>
<td>3*</td>
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<tr>
<td>Modern &amp; Classical Language</td>
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<tr>
<td>Fine Arts</td>
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<td>Social Science</td>
<td>6</td>
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<td>Total</td>
<td>54-63</td>
</tr>
</tbody>
</table>

* 54-60 hours are required if the Cultural Diversity requirement is met by a course which also satisfies another Core requirement.

Foundations of Discourse Requirement

All students must complete ENG-A190: Advanced Strategies of Rhetoric and Research (3). Students needing prerequisite 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 HR-A211: Advanced Composition (3). Non-native speakers of English may substitute OUS-A150 Process of Composition for Foreign Students (3) for ENG-A150, and OUS-A190 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 as follows (see Dean's Office for current listing for any additions after publication of this Catalog):

AAM-A200 Introduction to African American Studies
AAM-A201 Contemporary Black America
AAM-A226/TH-A226 African Amer: Religious Traditions
AAM-A440/ED-144 The African American Child
AAM-A433/PSY-A433 Psychology of Oppression
AAM-A434/PSY-A434 African American Psychology
AAM-A480/HR-A409 Civil Rights Era/Leaders
ARH-A313 Pre-Columbian Art
ARH-A314 Islamic Art and Society
ARH-A040/CA-A041/WS-A041/MR-A041 Medieval Woman and Art
AST-A420 Ethnic Groups in the United States
AST-A425/HR-A467/ENG-A479/ - American Mosaic: Lit. of American Diversity
AST-A427/HR-A467 U.S. Anti-Black Racism
AST-A428/TH-A320/2 History of Anti-Semitism
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.

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.

Only Fine and Performing Arts majors are exempted from taking one of the above options or CMM-A140.

Foreign students can satisfy this requirement by taking the two courses in the English Department, or OUS-A211: Introduction to Literature for Foreign Students (3), plus one course in the English Department or an upper division foreign language literature course.

All students must take two courses to satisfy the literature requirement. The first course must be chosen from ENG-A202 to A260: Introduction to Literary Study and Methodology (3). The second course may be chosen from Modes of Literary Inquiry (3); ENG-A300 to A398; ENG-A405 to A479; A485-A489; A491-A492; 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.

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 MT-A120: College Algebra (3), or any higher level mathematics course, including MT-A167. This excludes MT-A181: Informal Geometry.

World History Requirement
All students must complete two courses: HS-A111: Origins of the Modern World to 1500 (3), and HS-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 PL-A105: Introduction to Philosophy (3). The second course is PL-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 TH-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
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 with aerospace engineering, electrical engineering, or mechanical engineering at Parks College. The student should consult his or her advisor to inquire about these programs.

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: MT-A142, MT-A143, MT-A244, MT-A351; or MT-A152, MT-A153, MT-A254, MT-A354;
   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;
   g) For biomedical engineering, a one-year biology sequence and cell biology: BL-A104, BL-A106, BL-A305.

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 (495) 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.

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 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 an 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.

Micah House
Donald Stump, Ph.D. Director
Humanities Building 230
The Pre-Law 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 speakers, 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 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.”

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 Admissions 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.

ECN-B190 Principle of Economics with Laboratory .............................................3
ENG-A190 Adv. Strategies of Rhetoric and Research .............................................3
ENG-A200/300/400 level, two literature courses ....................................................6
Fine Arts-A100 Approaching the Arts .................................................................3
HS-A111 and 112 Origins of the Modern World ...............................................6
MT-A120 College Algebra .........................................................................................3
Natural Science .......................................................................................................6
PL-A105 Historical Introduction to Philosophy .....................................................3
PL-A205 Ethics .........................................................................................................3
PLS-A291 Foundations of Law ...............................................................................3
RM-A410 Introduction to Inferential Statistics .......................................................3
Social Science .........................................................................................................3
TH-A100 and 200 level courses .............................................................................6
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:

ACC-B220 Financial Accounting .............................................................................3
ACC-B222 Managerial Accounting .........................................................................3
DSC-B207 Introduction to Business Statistics .........................................................3
ECN-B190 Principles of Economics .........................................................................3
ENG-A190 Adv. Strategies of Rhetoric and Research ...............................................3
History, Political Science or Sociology ....................................................................6
MIS-B200 Management Information Systems ......................................................3
MT-A120 College Algebra .........................................................................................3
MT-A132 Survey of Calculus .................................................................................3
Natural Science .......................................................................................................6
PL-A105 Historical Introduction to Philosophy .....................................................3
PL-A205 Ethics .........................................................................................................3
PLS-A291 Foundations of Law ...............................................................................3
PSY-A101 General Psychology .............................................................................3
TH-A100 Theological Foundations .........................................................................3
Total hours 51

In order to remain in this program the student must, at the close of the freshman year (30 semester hours), have an official grade point average of at least 3.30. At the end of the sophomore year (60 semester hours)
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 permitted 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 towards 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 interviewed 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, 2) to take the LSAT examination, 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 curriculum 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, non-Medical Scholar students will be advised by preprofessional health studies advisors in the Academic Services Center (DuBourg 157). After 30 semester hours at Saint Louis University, students who achieve at least a 3.00 cumulative grade point average 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 curriculum 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, predental, and other pre-health professions students stresses personal contact with faculty advisors, advisors in the Academic Services Center, and the Director of Preprofessional Health Studies. The latter two offices have initial responsibility for advisement related to the student's overall degree requirements and career choices.

The Office of Preprofessional Health Studies and the Premedical 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, and social sciences. 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 1998 has been 59 to 86.4% of first time applicants. Application to professional school is completed one year in advance of the expected date of matriculation. Within the first three 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:

- One advanced course in biology
- Introduction to Chemistry
- Principles of Organic Chemistry
- General Physics
- Analytic Geometry and Calculus

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

- Cell Structure and Function
- Biological Chemistry
- General Physiology
- Comparative Anatomy or Embryology
- 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 communication skills and verbal reasoning are stressed.

Typical course of study

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
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<td>College Algebra</td>
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</table>
If the applicant requests in writing that the materials be sent to the Physician,” and 3) a Personal Statement.  

Admissions Committee of Saint Louis University School of Medicine, Premedical Committee on Evaluations.  In addition to the AMCAS during the junior (third) year, make use of the services of the Sciences in preparation for their careers.  It applies to students who, 

This program gives special recognition to Saint Louis University’s recognition to beginning freshmen premedical students.  The academ-

The Medical Scholars Program gives particular recognition to beginning freshmen premedical students. The academ-

The Early Evaluation Program will recognize all four-year undergrad-

The Early Evaluation Program will recognize all four-year undergraduate premedical candidates whose personal and academic achievements are commensurate with the rigorous demands of the study leading to a career in medicine.

The Medical Scholars Program gives particular recognition to beginning freshmen premedical students. The academ-

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 Quantitative 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 averages in these same areas must be 3.50 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 mathe-

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 Quantitative 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 averages in these same areas must be 3.50 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 aver-

Total hours required for graduation: 120 (minimum)

Special Programs for Premedical Students
Donald Schreweis, Ph.D., Director

Two programs of cooperation between the Office of Preprofessional Health Studies, the College of Arts and Sciences, and Saint Louis University School of Medicine are available to personally and academically qualified premedical students. Both programs encourage the qualified student to pursue the liberal arts and scientific education in an academic atmosphere supporting the career choice that has been made. The four-year undergraduate student choosing to attend Saint Louis University to obtain a bachelor's degree, who becomes a reasonably qualified medical applicant, is assured that the College of Arts and Sciences, the Office of Preprofessional Health Studies, and the School of Medicine are interested in providing the opportunity to realize the professional goal of a medical career.

The Early Evaluation Program will recognize all four-year undergraduate premedical candidates whose personal and academic achievements are commensurate with the rigorous demands of the study leading to a career in medicine.

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

Early Evaluation Program
This program gives special recognition to Saint Louis University's undergraduates who have chosen to attend the College of Arts and Sciences in preparation for their careers. It applies to students who, during the junior (third) year, make use of the services of the Premedical Committee on Evaluations. In addition to the AMCAS application materials that the student is required to file with the Admissions Committee of Saint Louis University School of Medicine, an evaluation by the Premedical Committee on Evaluations is developed that can be submitted upon personal 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.

If the applicant requests in writing that the materials be sent to the Admissions Committee of Saint Louis University School of Medicine, and has also made arrangements that the AMCAS application mater-
School of Medicine through participation in the Medical Scholars Program, in addition to the natural sciences. 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.

Required in the junior and senior years:
1. Completion of the physics sequence.
2. Maintain a 3.50 overall cumulative average and a 3.50 science/mathematics cumulative average (all four years).
3. The Medical College Admission Test (MCAT) to be taken at prescribed time.
4. 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 College of Allied Health Professions (Medical Technology, only).
6. Minimum of 30 credit hours each year.

Students in the Medical Scholars Program are not allowed to withdraw from courses or receive incomplete grades.

In the sophomore year, the Premedical Committee on Evaluations will evaluate students. These evaluations will be maintained in the Office of Preprofessional Health Studies and be kept in preparation for application to the School of Medicine. A member of the Premedical Committee on Evaluations will interview the student successfully completing the program with the required cumulative averages of 3.50 or above. 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 3.50 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 or the College of Allied Health Professions.

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.

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, Shannon Hall 119, (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 in the humanities that combines the resources of the departments of English, Fine and Performing Arts, History, Modern and Classical Languages, Philosophy, 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 campus and through the Newberry Library Consortium. Both 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 Spain Program Office, DuBourg Hall 155, or call (314) 977-8177, or Web Site: http://Spain.slu.edu

Additional Study Abroad Programs
France - The Lyon Program
Lyon is France’s second largest city and Sister City to St. Louis. Through cooperation with the Oregon State System of Higher Education, Saint Louis University offers students the opportunity to spend an academic year in Lyon studying at one of four universities.
that participate in the program. Students begin their stay in September with a four-week Orientation Session designed to sharpen language skills and immerse students in the French linguistic and cultural environment. After orientation, students enroll in the “Institute” for further French language and cultural study and/or in regular French university courses, depending on the results of proficiency tests.

To be eligible, applicants generally must have junior year standing at the time of their stay in Lyon; an overall GPA of 2.75, including French; and completed the equivalent of FR-A310 or higher.

Application deadlines are early in the Spring semester before planned study. For further information regarding application procedures, housing and expenses, contact the Department Of Modern and Classical Languages, Ritter Hall 337 (977-2450) or the Study Abroad Office, DuBourg Hall 247 (977-2490).

Germany - The Baden-Württemberg Program

The state of Baden-Württemberg is located in the scenic southwestern region of Germany. Through cooperation with the Oregon State System of Higher Education, Saint Louis University offers students the opportunity to study for an academic year at several German universities in the region: Stuttgart, Tübingen, Konstanz, Ulm, Freiburg, Heidelberg, Hohenheim, Mannheim and Karlsruhe.

Students begin their stay with a four-week Orientation Session at Tübingen designed to acquaint students with German customs and culture and sharpen language skills. At the end of the Orientation Session, students will take an entrance exam after which they either continue intensive German study at their selected university to prepare for the second semester’s enrollment in regular university courses, or they may be permitted to enroll in regular university courses with the permission of the Resident Director and the professor offering the course.

To be eligible, applicants generally must have a junior year standing at the time of their stay in Germany; an overall GPA of 2.75 and a GPA of 3.00 in German courses; and completed at least four semesters of college-level German.

Application deadlines are late January or early February for the following September. For further information regarding application procedures, housing and expenses, contact the Department Of Modern and Classical Languages, Ritter Hall 337 (977-2450) or the Study Abroad Office, DuBourg Hall 247 (977-2490).

1818 Advanced College Credit Program

Patricia A. Mueller, OSU, Director
Humanities Building 111

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 seventeen disciplines are taught by adjunct instructors in participating high schools and students may earn up to 30 credit hours toward college graduation.

For further information, contact the Office of the 1818 Advanced College Credit Program, 3800 Lindell Blvd., PO Box 56407, St. Louis, MO 63156-0907, (314) 977-3142. E-Mail: 1818Aadmin@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 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 326

Required Courses (21 hours minimum):
AAM-A200 Introduction to African-American Studies ..............3
AAM-A201 Contemporary Black America .........................3
AAM-A400 Field Service ...........................................1-3
AAM-A498 Advanced Independent Study/Research ..............3
AAM-A300/ 400 level ..................................................3

Plus, interdisciplinary course work taught by African American Studies or by any department with an inclusion and/or emphasis on the African Diaspora - 6 hours minimum. The complete program description and courses appear in Department listings; see "African American Studies."

Catholic Studies
Please refer to Web address:
http://www.slu.edu/colleges/AS/index.html for the most up to date information.

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
LT-A110 Reading Latin I ..........................................3
LT-A115 Reading Latin II .........................................3
LT-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:
LT-A110 Reading Latin I ........................................... 3
LT-A115 Reading Latin II ........................................... 3
LT-A210 Intermediate Latin: Language & Literature .......... 3
Any upper division course in Latin ................................ 3
*Any courses in original Latin ..................................... 3

*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-A301 Intro. Playwriting
ENG-A303 Intro. Non-Fiction Writing
ENG-A304 Intro. Fiction Writing
ENG-A305 Intro. Poetry Writing
ENG-A309 Creative Writing, Special Topics
ENG-A400 Business and Professional Writing
ENG-A403 Advanced Non-Fiction Writing
ENG-A404 Advanced Fiction Writing

See department listings for course descriptions.

Medical 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 a 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)
LT-A210 Intermediate Latin (or higher) (3)

One three-credit course chosen from each of five of the following six disciplines:
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

MR-AXXX Medieval Synthesis ................................ 2
Total hours: 21

The complete program description and courses appear in Department listings; see "Medical Studies."

Political Journalism
Jean-Robert Leguey-Feilleux, Ph.D., Co-Director
Department of Political Science, Shannon Hall
Avis E. Meyer, Ph.D., Co-Director
Department of Communication, Xavier Hall

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
CMM-A311 Feature Writing ....................................... 3
CMM-A312 Editorial and Opinion Writing .................... 3
CMM-A314 Essay Writing ........................................ 3
POL-A110 American Politics ....................................... 3
POL-A220 Intro. to State and Local Politics ................... 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 Building 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 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 three upper-division courses related to the field chosen with the approval of the Director. Among courses currently offered these could include:
HS-A328: History of Russia to 1905 ............................................ 3
HS-A315: History of the Orthodox and Eastern Church .................. 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-A410: Fluency in Russian ............................................... 4

Total Required Hours: 29-30

See department listings for course descriptions.

Women's Studies
http://www.slu.edu/colleges/AS/WS
Annie Smart, Ph.D., Director
Humanities Building 217

Requirements (18 hours):
WS-A197-01 Introduction to Women's Studies ................................ 3
WS-A485 Women's Studies Capstone Course .................................. 3
Women's Studies courses: Electives .......................................... .12

Several departments cross list their courses with Women's Studies each semester. Some Women's Studies courses also may satisfy Core Curriculum requirements as well as certificate requirements.

The complete program description and Women's Studies courses appear in Department listings; see "Women's Studies."

African American Studies

Karla Scott, Ph.D., Director

African American Studies offers a 21 hour certificate program. It is open to all students pursuing an undergraduate degree, regardless of race, color or national origin. The program has three requirement levels:

Level I:
15 credit hours taken directly from African American Studies.

Level II:
Three credit hours that concentrate on the Africana experience taken outside/ or within African American Studies.

Level III:
Three credit hours that include the study of the Africana experience in the overall course.

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.

Typical Course of Study

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<th>Second Semester</th>
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<tr>
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<td>TH-A226</td>
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<td>Core Requirements</td>
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<td>SOPHOMORE</td>
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<td>AAM-A300 level/ Elective</td>
<td>AAM-A400 level/ Elective</td>
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<td>POL-A252</td>
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<td>AAM-A498 or AAM-A400 level</td>
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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 ..................... 3
AAM-A201 Contemporary Black America ..................................... 3
AAM-A300/ 400 level ........................................................... 3
AAM-A400 Field Service ...................................................... 1-3
AAM-A498 Advanced Independent Study/ Research .......................... 3

Electives:
Interdisciplinary course work taught by African American Studies, or by any department, with an inclusion and/ or emphasis on the African Diaspora ........................................ 6

Minimum hours required for completion: 21

American Studies

http://www.slu.edu/colleges/AS/amers/index.html
Shirley Loui, Ph.D., Chair

Faculty:
Lawrence F. Barnan, Ph.D.
Buford Farris, Ph.D.
Elizabeth Kolmer, A.S.C., Ph.D.
Kathryn Kuhn, Ph.D.
Belden C. Lane, Ph.D.
Shirley Loui, Ph.D.
Wynne W. Moskop, Ph.D.
John J. Pauly, Ph.D.
Elizabeth Perry, Ph.D.
Lewis Perry, Ph.D.
Michal J. Rozbicki, Ph.D.
Paul J. Shore, Ph.D.

American Studies is the interdisciplinary investigation of American life, thought, and culture through a variety of intellectual methodologies. It combines the skills and knowledge of several fields of study to focus on the past and present character of the United States. The disciplines of art history, education, English, history, philosophy, psychology, political science, sociology, theological studies, and urban affairs all say something about American life and thought, either in the
past or present. Much of the course work for American Studies is drawn from each of these areas, in addition to courses designed specifically for the Department.

Major Requirements in American Studies (B.A.)
1. AST-A110 Introduction to American Studies (3 hours) to be taken in freshman or sophomore year (Juniors may petition).
2. AST-A482 Senior Inquiry Seminar (3 hours) to be taken in the final semester of senior year.
3. Any five courses from the following (15 hours): AST-A301; AST-A420; AST-A425; AST-A427; AST-A479; AST-A493; ENG-A363; ENG-A373; ENG-A463; ENG-A464; HS-A347; HS-A348; POL-A475; SC-A355; FPA-A422.
4. Any three courses in the American Studies course description listing.
5. The American Studies major consists of thirty hours in the above distribution. Remaining graduation requirements may be fulfilled either by pursuing a certificate program or a minor in a discipline related to American Studies, or by completing twenty hours in a mixture of related courses.

Minor Requirements in American Studies
1. AST-A110 Introduction to American Studies ...................... 3
2. ENG-A465 American Literary Tradition 1855-Present .............. 3
3. POL-A372 Modern Political Theories .................................. 3
4. AST-A425 Multicultural Diversity: Readings in the Literature of American Diversity .................. 3
5. AST-A427 U.S. Anti-Black Racism .................................... 3
6. AST-A479 American Autobiography .................................... 3
7. AST-A482 American Studies Senior Inquiry Seminar ................ 3

Total Hours: 21

Note: Course substitutions may be made for the courses listed above with courses offered by the Department of American Studies or by those Departments which contribute to American Studies: History, English, Art History, Political Science, Sociology, and Theological Studies. The permission of the Department Chair (977-2911) is required for all undergraduate course substitutions.

Typical Course of Study

Representative Program
Recognizing that the particular needs and interests of individual students vary widely, the accompanying typical course of studies is not intended to indicate a required course of studies. It is intended to serve as a model around which a student and that student's adviser may construct his or her own program. Indicated are the core requirements for the College of Arts and Sciences, the requirements for an American Studies major, and suggestions for fulfilling the related hours of the area of concentration.

<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>AST-A110 .............. 3</td>
<td>AST-A101 .............. 3</td>
</tr>
<tr>
<td>Core: HS-A111 .......... 3</td>
<td>Core: HS-A112 .......... 3</td>
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<tr>
<td>Core: ENG-A190 .......... 3</td>
<td>Core: Foreign Lang. .......... 3</td>
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<tr>
<td>Core: Foreign Lang. .......... 3</td>
<td>Core: Cultural Div. .......... 3</td>
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<tr>
<td>Core: MT-A116 .......... 3</td>
<td>Core: SC-A110 .......... 3</td>
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| SOPHOMORE | | |
|---|---|
| HS-A347 .......... 3 | AST-A427 .......... 3 |
| Core: Fore Language .......... 3 | Core: ENG-A300 level .......... 3 |
| Core: PL-A103 .......... 3 | Core: PL-A205 .......... 3 |
| Core: ENG-A200 level .......... 3 | Core: POL-A100 .......... 3 |
| Core: TH-A100 .......... 3 | Core: TH-A200 level .......... 3 |
| 15 | 15 |

| SENIOR | | |
|---|---|
| Core: Science ............... 3 | Core: Fine Arts ............... 3 |
| SC-A355 ............... 3 | TH-A300 level ............... 3 |
| HS-A348 ............... 3 | AST-A420 ............... 3 |
| Core: PL-A300/400 level ........ 3 | POL-A420 ........ 3 |
| ENG-A465 ............... 3 | ENG-A373 ............... 3 |
| 15 | 15 |

Biology

Robert I. Bolla, Ph.D., Chair

Full-time Faculty:
- Robert D. Aldridge, Ph.D.
- Nevin Aspinwall, Ph.D.
- Marcia Bender, Ph.D.
- Peter Bernhardt, Ph.D.
- Thomas Bodie, Ph.D.
- Robert I. Bolla, Ph.D.
- Gerardo Camilo, Ph.D.
- Douglas Coulter, Ph.D.
- Stephen J. Dina, Ph.D.
- Julie Emerson, Ph.D.
- Dorothy J. Feir, Ph.D. - emeritus
- Gail F. Johnston, Ph.D.
- Elizabeth J. Keath, Ph.D.
- Wesley J. Leverich, Ph.D.
- Judith Medoff, Ph.D.
- Subhadra Nair, A.M.
- William D. Picking, Ph.D.
- John G. Severson, Jr., Ph.D.
- William S. Stark, Ph.D.
- Stuart I. Tsubota, Ph.D.
- Thomas Valone, Ph.D.
- Robert M. Wood, Ph.D.
- Joseph Zahner, Ph.D.

Associated Faculty:
- Preprofessional Health Studies
  - Donald Schreweis, Ph.D.
  - Pediatric Research Institute
  - Stephen Barenkamp, M.D.
  - Gary Bulla, Ph.D.
  - Cheryl O. Quinn, Ph.D.

Missouri Botanical Garden
- Thomas B. Croat, Ph.D.
- William G. D’Arry, 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.
  - Charles H. Hoessle, Ph.D.

The Department of Biology has developed a curriculum which meets
the needs of a wide spectrum of interests in biology. It is designed moreover to provide a broad but intensive educational experience for students in other fields who have an interest in biology. The department offers both undergraduate and graduate degrees. Majors in Biology must meet the following requirements.

1. To be accepted as a Biology major, a student must have a C or better in Principles of Biology I and II (BL-A104 and BL-A106) and Introduction to Chemistry I and II (CH-A161 and CH-A162) or their equivalent courses from accredited colleges or universities.

2. Once accepted as a major, a student must maintain a C or better in all chemistry, physics, mathematics, statistics, and upper division biology courses that are required for completion of the major. Courses in which a grade of D or lower was obtained cannot be applied to the completion of a degree in Biology.

Students who wish to minor in Biology and other students who wish to take upper division biology courses must meet criterion 1. The specific requirements for the B.A. and B.S. degrees follow.

Field Stations at Saint Louis University
The Saint Louis University Field Stations are 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 Lay Field Station is located three miles from the Mississippi River near Louisiana, MO on 300 acres of wooded hills and open fields. Both field stations have a variety of aquatic and terrestrial communities located on or near them and have well-equipped research and teaching laboratories, kitchens, dormitories and housing for visiting scientists. Summer classes are offered at both stations and they are 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.)**

Major and related courses
Principles of Biology I and II (BL-A104 and BL-A106 or equivalent), Introduction to Chemistry I and II (CH-A161 and CH-A162 or equivalent). These courses are prerequisites for all upper division biology courses.

Required Biology Courses:
- Evolutionary Biology (BL-A301) .................... 3
- Principles of Genetics (BL-A303) .............. 3
- Cell Structure and Function (BL-A305) ........ 3
- Biological Chemistry (BL-A307) ............... 3

A minimum of 24 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, ethnobotany, plant physiology, pollination biology, plant ecology, biology and classification of orchids, spring flora of Ozarks, and plant biochemistry or an equivalent plant science course approved by the Department.

Required related courses:
- Principles of Organic Chemistry (CH-A342, 343, 344) 8
- Pre-Calculus (MT-A141) ......... 3

Recommended related courses:
- PH-A131 General Physics .................. 3
- PH-A133 General Physics II ............. 3
- MT-A142 Calculus ................. 4
- One Semester of Statistics ......... 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 program. Indicated are the general requirements for hours, limitations upon major hours for the B.A., and core curriculum requirements.

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<th>First Semester</th>
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<td>BL-A104 .......... 4</td>
<td>BL-A106 .......... 4</td>
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<td>CH-A161 .......... 4</td>
<td>CH-A162 .......... 4</td>
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<tr>
<td>MT-A120 or MT-A141 .... 3</td>
<td>Core: Foreign Lang. .... 3</td>
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<tr>
<td>Core: ENG-A190 .... 3</td>
<td>Core: Cultural ... 3</td>
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<td>Core: Foreign Lang. .... 3</td>
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<td>17 200 level .... 3</td>
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<tr>
<td>Plant Biology Elective .... 3</td>
<td>BL-A303 .... 3</td>
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<tr>
<td>CH-A342, CH-A344 .... 4</td>
<td>CH-A343, CH-A345 .... 4</td>
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<tr>
<td>Core: Foreign Language* .... 3</td>
<td>Core: Social Science .... 3</td>
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<td>Core: PL-A105 .... 3</td>
<td>Core: PL-A205 .... 3</td>
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<td>Core: Eng. Lit. 300 level .... 3</td>
<td>Core: HS-A111 .... 3</td>
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<td>Core: A300/400 level .... 3</td>
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<td>Core: TH-A200 level .... 3</td>
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<tr>
<td>Core: PL-A300/400 level .... 3</td>
<td>Core: Fine Arts .... 3</td>
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<td>Core: TH-A100 .... 3</td>
<td>Biology Elective .... 3</td>
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<tr>
<td>BL-A301 .... 3-4</td>
<td>BL-A495 .... 3-4</td>
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<td>BL-A300/400 level .... 3-4</td>
<td>BL-A400 level .... 3</td>
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<td>Core: TH-A300/400 level .... 3</td>
<td>BL-A300/400 level .... 3</td>
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<td>Elective** .... 3</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 3 hours of the foreign language requirement.
** Electives recommended include General Physics 1 and 2, Calculus 1 and Statistics.

**Biology (B.S.)**

Major and related courses
Principles of Biology I and II (BL-A104 and 106 or equivalent), Introduction to Chemistry I and II (CH-A161 and 162 or equivalent). The courses above are prerequisites for all upper division biology courses.

Required Biology Courses:
- Evolutionary Biology (BL-A301) .................... 3
- Principles of Genetics (BL-A303) .............. 3
- Cell Structure and Function (BL-A305) ........ 3
- Biological Chemistry (BL-A307) ............... 3

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, ethnobotany, plant physiology, pollination biology, plant ecology, biology and classification of orchids, spring flora of Ozarks, and plant biochemistry, 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
   BL-A340 General Ecology
   Pollination Biology (BL-A404)
   Structure and Function of Ecosystems (BL-A406)
   Structure and Function of Ecosystems Lab* (BL-A407)
   Plant Ecology (BL-A409)
   Natural History of Vertebrates (BL-A410)
   Natural History* (BL-A411)
   Aquatic Ecology (BL-A420)
   Animal Behavior (BL-A430)
   Cave Biology (BL-A432)
   Phylogenetic Systematics (BL-A434)
   Applied Ecology (BL-A440)
   Ecological Risk Assessment (BL-A445)
   Landscape Ecology (BL-A468)
   Internship in Conservation (BL-A480)

II. Systematic/Organismal Biology
   Biology of Invertebrates (BL-A322)
   Biology of Plants and Fungi (BL-A326)
   Ethnobotany (BL-A328)
   Biology and Classification of Orchids (BL-A421)
   General and Medical Entomology (BL-A424)
   Ichthyology (BL-A426)
   Ichthyology (BL-A428)
   Ornithology (BL-A431)
   Spring Flora of Ozarks (BL-A433)
   Parasitology (BL-A435)

III. Morphology/Physiology/Development
   Comparative Anatomy (BL-A342)
   Embryology (BL-A344)
   General Physiology (BL-A346)
   General Physiology Lab* (BL-A347)
   Plant Physiology (BL-A349)
   Comparative Animal Physiology (BL-A441)
   Vertebrate Histology (BL-A444)
   Electron Microscopy (BL-A446)
   Introductory Endocrinology (BL-A450)
   Behavioral Endocrinology (BL-A451)
   Developmental Biology (BL-A460)

IV. Cellular/Molecular Biology
   Cell Structure and Function Lab* (BL-A306)
   Experiments in Genetics* (BL-A310)
   Nerve Cell Mechanisms in Behavior (BL-A415)
   Developmental Biology (BL-A460)
   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

A minimum of 28 upper division hours in Biology (excluding Senior Inquiry) is required, as is one of the four Senior Inquiry options (BL-A484, 485, 488 or 489).

Required related courses:
   Principles of Organic Chemistry (CH-A342, 344, 343, 345 or equivalent) ................... 8
   PH-A131 General Physics I ............................................ 3

PH-A133 General Physics II ........................................... 3
MT-A142 Calculus ......................................................... 4
One semester of Statistics ............................................. 3

Recommended related courses:
   PH-A132 General Physics I Laboratory .............................. 1
   PH-A134 General Physics II Laboratory ............................. 1
   MT-A143 Calculus II ................................................... 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 not intended to indicate, with the exception of the statistics and research methods courses, required courses of study. It is intended to serve as a model around which a student may construct his or her own program. Indicated are the general requirements for hours and core curriculum requirements.

First Semester  Second Semester

FRESHMAN
   BL-A104 .................. 4  BL-A106 .................. 4
   CH-A161 .................. 4  CH-A162 .................. 4
   MT-A142 .................. 4  Core: Cultural .................. 3
   Core: ENG-A190 .......... 3  Core: Social Science .......... 3
   Core: Foreign Lan. ...... 3  Core: English Lit. .......... 18
   200 level ................ 3  17
   16

SOPHOMORE
   BL-A326 .................. 4  BL-A303 .................. 3
   CH-A342, CH-A344 ....... 4  CH-A343, CH-A345 ....... 4
   Core: Foreign Language* 3  Core: Social Science .......... 3
   Core: PL-A105 .......... 3  Core: PL-A205 .......... 3
   Core: Eng. Lit. 300 level 3  Core: HS-A111 .......... 3
   17 16

JUNIOR
   BL-A305 .................. 3  BL-A307 .................. 3
   BL-A306 .................. 2  PH-A133 .................. 3
   PH-A131 .................. 3  Core: TH-A200 level .......... 3
   Core: HS-112 .......... 3  Core: Fine Arts .......... 3
   Core: PL-A300/400 level .. 3  Core: PL-A300/400 level .. 3
   Core: TH-A100 .......... 3  RM-G410 .......... 3
   17 18

SENIOR
   BL-A301 .................. 3-4  BL-A495 .................. 0
   BL-A300/400 level ...... 3-4  BL-A484,495, .... 488 or 489 .... 0-4
   Core: TH-A 300/400 level .. 3  Core: TH-A300/400 level .. 3-4
   Core: Social Science .......... 3  Core: Social Science .......... 3
   Elective** ................ 3  Elective** .......... 15-17
   Elective** .......... 3  Elective** .......... 14-18

Minimum total hours required for Graduation: 120

* An approved computer language course may satisfy 3 hours of the foreign language requirement.
** Electives recommended include General Physics I Lab, General Physics II Lab and Calculus II.

Biology Minor
A minor in biology may be obtained by students who take a minimum of 20 hours of biology consisting of the following.

I.  7-8 hours of introductory biology (BL-A104 and BL-A106 or equivalent)
II. Upper division (BL-A301 - BL-A479) electives (12-13 hours)
Catholic Studies Program

Mary Elizabeth Hogan, Ph.D., Interim Director

Catholic Studies is an 18-hour certificate program in the College of Arts and Sciences. The Catholic Studies Certificate 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.

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

Chemistry

Vincent T. Spaziano, Ph.D., Chair

Faculty:
Harold A. Dieck, Ph.D.
Judith E. Durham, Ph.D.
John H. Forsberg, Ph.D.
Donald L. Hood, M.S.
Charles C. Kirkpatrick, Ph.D.
Bruce A. Kovert, Ph.D.
Leo J. Malone, Jr., Ph.D.
Olivier J.-C. Nicaise, Ph.D
Thinh N. Nguyen, M.S.
Ronald See, Ph.D.
Alexa A. Serfis, Ph.D.
Dana M. Spence, Ph.D.
Vincent T. Spaziano, Ph.D.

The Department of Chemistry is accredited by the American Chemical Society and offers programs designed to meet the needs of students with a wide range of interests. The department offers two undergraduate degrees, a Masters degree, and a dual degree program in Chemical Engineering with Washington University. 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 Chemistry Laboratory I and II, Physical Chemistry I and II, and 3 hours of a chemistry elective from the 400 or 500 level. Some students may be invited to substitute General Chemistry for the Advanced Student and Introduction to Research Methods for Introduction to Chemistry II. Additional related requirements must 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 CH-A162 . . . . . . . . . . . . . . . . 4
MT-A141 . . . . . . . . . . . . . . . . 4 Core: Fine Arts . . . . . . . . . . . . . . . . 3
Core: ENG-A190 . . . . . . . . . . 3 Core: TH-A100 level . . . . . . . . . . . . . . . 3

SOPHOMORE
CH-A346 . . . . . . . . . . . . . . . . 3 CH-A347 . . . . . . . . . . . . . . . . 3
CH-A344 . . . . . . . . . . . . . . . . 1 Core: Social Science . . . . . . . . . . . . . . . . 3
MT-A143 . . . . . . . . . . . . . . . . 4 Core: English Lit. 200 level . . . . . . . . . . . . . . . 3
Core: PL-A205 . . . . . . . . . . . . 14 Core: HS-A112 . . . . . . . . . . . . . . . . 3
Core: Social Science . . . . . . . . . . . . . . . . 3

JUNIOR
CH-A320 . . . . . . . . . . . . . . . . 4 CH-A334 . . . . . . . . . . . . . . . . 3
Core: Eng. Lit. 300 level . . . . . . . . . . . . . . . . 3 Core: TH-A300 . . . . . . . . . . . . . . . . 3
Core: Foreign Lang. . . . . . . . . . . . . . . . 3 Core: Foreign Lang. . . . . . . . . . . . . . . . 3
PH-A131 . . . . . . . . . . . . . . . . 3 PH-A133 . . . . . . . . . . . . . . . . 3
PH-A132 . . . . . . . . . . . . . . . . 1 PH-A134 . . . . . . . . . . . . . . . . 3
Core: TH-A 200 level . . . . . . . . . . . . . . . . 17 Core: Social Science . . . . . . . . . . . . . . . . 3

SENIOR
CH-A333 . . . . . . . . . . . . . . . . 3 CH-A400/ 500 level . . . . . . . . . . . . . . . . 3
Core: Culture Diversity . . . . . . . . . . . . . . . . 3 Core: TH-A300 level . . . . . . . . . . . . . . . 3
Elective . . . . . . . . . . . . . . . . . . . . . . . . 3 Elective . . . . . . . . . . . . . . . . 3
Elective . . . . . . . . . . . . . . . . . . . . . . . . 3 Elective . . . . . . . . . . . . . . . . 3
Elective . . . . . . . . . . . . . . . . . . . . . . . . 3 Core: PL-A300/ 400 level . . . . . . . . . . . . . . . 3

Total Hours: 121

* Students in the B.A. program may substitute either CS-AP120: CS-A171 or CS-A366.

Chemistry (B.S.)

Major and related courses
48 hours of chemistry including Introduction to Chemistry I and II (some students may be invited to substitute General Chemistry for the Advanced Student and Introduction to Research Methods for Introduction to Chemistry II), Analytical Chemistry I, II, and III, Organic 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.

First Semester Second Semester

FRESHMAN
CH-A161 . . . . . . . . . . . . . . . . 4 CH-A162 . . . . . . . . . . . . . . . . 4
MT-A141 . . . . . . . . . . . . . . . . 4 Core: Fine Arts . . . . . . . . . . . . . . . . 3
Core: ENG-A190 . . . . . . . . . . 3 Core: TH-A100 level . . . . . . . . . . . . . . . 3

SOPHOMORE
CH-A346 . . . . . . . . . . . . . . . . 3 CH-A347 . . . . . . . . . . . . . . . . 3
CH-A344 . . . . . . . . . . . . . . . . 1 Core: Social Science . . . . . . . . . . . . . . . . 3
MT-A143 . . . . . . . . . . . . . . . . 4 Core: English Lit. 200 level . . . . . . . . . . . . . . . 3
Core: HS-A111 . . . . . . . . . . . . 3 Core: HS-A112 . . . . . . . . . . . . . . . . 3
Core: Eng. Lit. 200 level . . . . . . . . . . . . . . . . 3 CH-A320 . . . . . . . . . . . . . . . . 4
Communication

John J. Pauly, Ph.D., Chair

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

Faculty:
Rob Anderson, Ph.D.
Peggy J. Bowens, Ph.D.
Richard W. Burgin, M.A.
Liese L. Hutchison, APR, M.A.
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.
Robert L. Strain, Jr., Ph.D.
Paige 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 news writing). The curriculum’s required courses in Communication Theory, Communication Research, and Principles of Communication must be taken at the Frost campus.

Communication (B.A.)

Program Summaries

Communication Professions
Communication Core - required of all
Principles of Communication
Advanced Writing
Advanced Research
Communication Electives
Total: 36 hours

Communication Technology
Communication Core - required of all
Principles of Communication
Communication Technology
Communication Electives
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-A340 Professional 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-A472 AAF Competition
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, or by choosing, in consultation with their advisor, 15 hours of courses in an area that complements the student 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 2.8 or higher overall GPA; 3) have accumulated 18 hours in communication courses, including at least 12 hours on the Frost campus; 4) have successfully completed CMM-A100, 120, 200, and 210, as well as relevant course work in the area covered by the internship; and 5) 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, 210, and 215 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 Minor 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 minor. Student applications for this minor will be forwarded from the College office to the Department of Communication for approval.

Prerequisites for all Marketing courses:
ECN-B190 Principles of Economics. Prerequisite 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
 Broadcasting and Environmental Science can be sought. The BA program offers flexibility so that careers in fields such as Atmospheric Sciences may be pursued. The BS program is an ideal preparation for graduate studies in techniques used in Weather Forecasting and Mesoscale Processes. The environment, global change and an emphasis on mathematical and numerical models serve as the basis for the BS program. The resulting new program was introduced in 1997 and they bring an exciting new dimension to the Urban Planning. The Environmental Science programs were introduced in 1997 and they bring an exciting new dimension to the Urban Planning.

In Geoscience, the Bachelor of Science (BS) programs prepare students for professional careers in Environmental Science, Geology or Meteorology and provide an excellent foundation for entry to graduate studies. The Bachelor of Arts (BA) programs in Environmental Science and Geology contain 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 they bring an exciting new dimension to the Department's activities.

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
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS-A101</td>
<td>Earth Systems I - The Solid Earth</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A102</td>
<td>Earth Systems I - Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A103</td>
<td>Earth Systems II - Atmosphere &amp; Ocean</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A208</td>
<td>Intro to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A240</td>
<td>Field Techniques</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A242</td>
<td>Computer Applications in Earth Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A305</td>
<td>Geomorphology</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A410</td>
<td>Sedimentology &amp; Stratigraphy</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A411</td>
<td>Sedimentology and Stratigraphy Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A426</td>
<td>Environmental Geophysics</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A428</td>
<td>Environmental Geochemistry</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A435</td>
<td>Groundwater Hydrology</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A450</td>
<td>Scientific Communications</td>
<td>2</td>
</tr>
</tbody>
</table>

Internship, Field Camp, Project or OSHA Training up to 6

| Total Required Courses | 31-37 |

Major Electives Choose three courses (9-11 credits)

- EAS-A220 Mineralogy
- EAS-A221 Mineralogy Lab
- EAS-A325 Global Change
- EAS-A335 Surface Water Hydrology
- EAS-A403 Elements of Air Pollution
- EAS-A405 Petrology
- EAS-A406 Petrology Lab
- EAS-A430 Structural Geology
- EAS-A431 Structural Geology Lab
- EAS-A437 Earth Dynamics
- BL-A409 Plant Ecology
- RM-G410 Intro to Inferential Statistics (or equivalent)

| Total Required Elective | 9-11 |

Required Related-Science Courses

- CH-A161 Introduction to Chemistry I
- CH-A162 Introduction to Chemistry II
- PH-A131/132 General Physics I and II (or equiv.)
- BL-A104 Principles of Biology I
- BL-A106 Principles of Biology II
- MT-A141 Pre-Calculus
- MT-A142 Calculus I
- MT-A143 Calculus II

| Total Related-Science Credits | 31 |

Environmental Science Minor

Required Courses

- EAS-A101 Earth Systems I - The Solid Earth
- EAS-A102 Earth Systems I - Lab
- EAS-A103 Earth Systems II - Atmosphere & Ocean
- EAS-A208 Intro to Environmental Science
- EAS-A240 Field Techniques
- EAS-A242 Computer Applications in Earth Science
- EAS-A305 Geomorphology
- EAS-A410 Sedimentology & Stratigraphy
- EAS-A411 Sedimentology and Stratigraphy Lab
- EAS-A426 Environmental Geophysics
- EAS-A428 Environmental Geochemistry
- EAS-A435 Groundwater Hydrology
- EAS-A450 Scientific Communications

Internship, Field Camp, Project or OSHA Training up to 6

| Total Required Courses | 10 |

Major Electives Choose 3-4 courses; must equal 9 credits

- EAS-A420 Field Techniques in Geology
- EAS-A424 Computer Applications in Earth Science
- EAS-A305 Geomorphology
- EAS-A335 Surface Water Hydrology
- EAS-A426 Environmental Geophysics
- EAS-A428 Environmental Geochemistry

| Total Required Courses | 10 |

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.
Geology (B.A.)

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

Total Required Credits: 31

Major Electives: Choose three courses (9 credits; no more than 3 credits at the 100 level)
- EAS-A105 Intro to Oceanography 3
- EAS-A107 Understanding Weather 3
- EAS-A114 History of the Earth 3
- EAS-A117 Physical Geography 3
- EAS-A193 Intro to Earthquakes 3
- EAS-A208 Intro to Environmental Science 3
- EAS-A305 Geomorphology 3
- EAS-A335 Surface Water Hydrology 3
- EAS-A426 Environmental Geophysics 3
- EAS-A428 Environmental Geochemistry 3
- EAS-A435 Groundwater Hydrology 3
- EAS-A498 Advanced Independent Study 1-3

Total Elective Credits: 9

Required Related Science Courses
- CH-A161 Introduction to Chemistry 4
- MT-A141 Pre-Calculus 3
- MT-A142 Calculus I 4

Choose one of the following:
- PH-A131/132 General Physics I and Lab 4
- BL-A104 Principles of Biology I 4
- BL-A106 Principles of Biology II 4

Total Related Science Credits: 15-19

A&S College Core Credits (ex Science, inc CS) 54
Free Electives 7-11

Minimum Credits for Graduation: 120

Geology (B.S.)

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

Summer Field Camp 37

Total Required Courses: 36

Major Electives: Choose three courses (9 credits; no more than 3 credits at the 100 level)
- EAS-A105 Intro to Oceanography 3
- EAS-A114 History of the Earth 3
- EAS-A193 Intro to Earthquakes 3
- EAS-A230 Intro to Environmental Science 3
- EAS-A305 Geomorphology 3
- EAS-A335 Surface Water Hydrology 3
- EAS-A428 Environmental Geochemistry 3
- EAS-A435 Groundwater Hydrology 3
- EAS-A498 Advanced Independent Study 1-3
### Geology Minor

**Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS-A101 Earth Systems I - The Solid Earth</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A102 Earth Systems I - Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A103 Earth Systems II - Atmosphere &amp; Ocean</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Courses: 7

**Minor Electives**

- Choose four courses (12 credits; no more than 3 credits at the 100 level)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS-A105 Intro to Oceanography</td>
<td>3</td>
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<tr>
<td>EAS-A114 History of the Earth</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A193 Intro to Earthquakes</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A220 Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A221 Mineralogy</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A240 Field Techniques in Geology</td>
<td>2</td>
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<tr>
<td>EAS-A242 Computer Applications in Earth Science</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A405 Petrology</td>
<td>3</td>
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<tr>
<td>EAS-A406 Petrology Lab</td>
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<tr>
<td>EAS-A410 Sedimentology &amp; Stratigraphy</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A411 Sedimentology &amp; Stratigraphy Lab</td>
<td>1</td>
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<tr>
<td>EAS-A430 Structural Geology</td>
<td>3</td>
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<td>EAS-A431 Structural Geology Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A437 Earth Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A450 Scientific Communications</td>
<td>2</td>
</tr>
</tbody>
</table>

Minimum Required Electives: 12

Minimum Credits for Minor: 19

### Geophysics (B.S.)

**Required Courses**

The following 20 hours in Geology and Geophysics are required of all majors:

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS-A101</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A451</td>
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</tr>
<tr>
<td>EAS-A102</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A452</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A220/221</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A455</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A405</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A460</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A430/431</td>
<td>3</td>
</tr>
</tbody>
</table>

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

8 hours of Physics (PH-A151 through 154)

Additional requirements for the theoretical option are EAS-A462 and PH-A311. An additional requirement for the applied option is EAS-A453.

**Typical Course of Study**

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

| Field Camp (4 to 6 weeks during summer) | 5-6 hours |

### Field Camp (4 to 6 weeks during summer) 5-6 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS-A114 History of the Earth</td>
<td>3</td>
</tr>
<tr>
<td>EAS-A102 Earth Systems I - Lab</td>
<td>1</td>
</tr>
<tr>
<td>EAS-A103 Earth Systems II - Atmosphere &amp; Ocean</td>
<td>3</td>
</tr>
</tbody>
</table>

Total Required Courses: 27-30

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

Minimum Credits for Graduation: 127

**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>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td>EAS-A101</td>
<td>EAS-A103</td>
</tr>
<tr>
<td>EAS-A102</td>
<td>MT-A141</td>
</tr>
<tr>
<td>MT-A120</td>
<td>Core: Foreign Lang.</td>
</tr>
<tr>
<td>Core: Foreign Lang.</td>
<td>Core: TH-A100</td>
</tr>
<tr>
<td>Core: HS-A111</td>
<td>Core: HS-A112</td>
</tr>
<tr>
<td>Core: ENG-A190</td>
<td>15</td>
</tr>
</tbody>
</table>

**Total Required Electives** 9

**Required Related-Science Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PH-A131/132 General Physics I and Lab (or equiv.)</td>
<td>4</td>
</tr>
<tr>
<td>PH-A133/134 General Physics II and Lab (or equiv.)</td>
<td>4</td>
</tr>
<tr>
<td>or</td>
<td></td>
</tr>
<tr>
<td>BL-A104 Principles of Biology</td>
<td>3</td>
</tr>
<tr>
<td>BL-A106 Principles of Biology II</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Science-Related Credits**: 27-30

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Minimum Credits for Minor**: 19
Typical Course of Study

Minimum Credits for Graduation: 128

A&S College Core Credits (ex Science, inc CS) 69
Total Related-Science Credits 26

MT-A143  Calculus II . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4
MT-A142  Calculus I  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 4
PH-A133/134  General Physics II and Lab  . . . . . . . . . . . . . . . . . . . . 4
PH-A131/132  General Physics I and Lab  . . . . . . . . . . . . . . . . . . . . 4

Required Related-Science Courses
EAS-A480-12  Internship  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1-3
EAS-A478  COMET Modules  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 1-3
EAS-A465  Weather Forecasting  . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A447  Elementary Tropical Meteorology  . . . . . . . . . . . . . . . . . 3
EAS-A325  Global Change  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A105  Oceanography  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3

Major Electives (Choose six hours)
EAS-A444  Principles of Dynamic Meteorology I  . . . . . . . . . . . . . . 3
EAS-A434  Physical Meteorology I  . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A433  Physical Meteorology I  . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A423  Micrometeorology  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A403  Air Pollution  . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A350  Computational Methods in Meteorology  . . . . . . . . . . . . . 3

Total Required Credits 27

Minimum Hours Required for Graduation: 128

Meteorology Programs

J. Moore, Ph.D., Director

Meteorology (B.A.)

Required Courses
EAS-A101  Earth System I-The Solid Earth . . . . . . . . . . . . . . . . . . . . 3
EAS-A103  Earth System II-Atmosphere & Oceans  . . . . . . . . . . . . . 3
EAS-A211  Map and Chart Analysis  . . . . . . . . . . . . . . . . . . . . . . . . . . 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-A433  Physical Meteorology I  . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A444  Principles of Dynamic Meteorology I . . . . . . . . . . . . . . 3

Total Required Credits 33

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-A253  Physical Climatology  . . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A415  Instrumentation & Remote Sensing  . . . . . . . . . . . . . . . . . . 3
EAS-A420  Synoptic Meteorology I . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A422  Synoptic Meteorology II  . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A433  Physical Meteorology I  . . . . . . . . . . . . . . . . . . . . . . . . . . . 3
EAS-A444  Principles of Dynamic Meteorology I . . . . . . . . . . . . . . . . . . . . . . . . . 3

Total Required Credits 33

Minimum Credits for Graduation: 128
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  

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

Required Related-Science Courses
CH-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  
MT-A141 Precalculus ..................................................... 3  
MT-A142 Calculus I ....................................................... 4  
MT-A143 Calculus II ....................................................... 4  
MT-A244 Calculus III ..................................................... 4  
MT-A35 Differential Equations ......................................... 3  
CS-A366 FORTRAN Programming ..................................... 3  

Choose one of the following:
RM-G410 Intro to Inferential Statistics ........................... 3  
MT-A315 Intro to Linear Algebra ...................................... 3  
MT-A371 Vector Analysis ................................................. 3  
CS-A402 Operating Systems & Architecture ...................... 3  
MT-A477 Numerical Analysis ........................................... 3  

Total Related-Science Credits ................................. 35  
A&S College Core Credits (ex Science, inc CS) ............. 48  

Minimum Credits for Graduation: 128  

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

First Semester  
FRESHMAN  
MT-A141 ................. 3  
EAS-A211 ................. 3  
Core: ENG-A190 ........... 3  
Core: HS-A111 ........... 3  
Core: CMM-A100 ........... 3  

15  

SOPHOMORE  
MT-A143 ................. 4  
PH-A151 ................. 3  
PH-A151 .......... 1  
EAS-A101 ................. 3  
Core: Social Science ........ 3  
CS-P111* ................. 3  

17  

JUNIOR  
MT-A351 ................. 3  
EAS-A433 ................. 3  
Core: PL-A205 ................. 3  
Core: Fine Arts ................. 3  
Core: Foreign Language ........ 3  

15  

SENIOR  
EAS-A420 ................. 3  
EAS-A444 ................. 3  
Core: PH-A300/400 level ....... 3  
Core: ENG-A200 level ....... 3  
Core: TH-A300 level ....... 3  

15  

Core: ENG-A300 level ........ 3  
Core: TH-A226 (Cultural) ....... 3  
Core: PL-A105 ................. 3  

15  

* Satisfies 3rd language requirement and science requirement.

Total Hours Required For Graduation: 128

Economics

Leroy J. Grossman, Ph.D., Chair

Faculty:
Kevin Christ, Ph.D.
Mark F. Funk, Ph.D.
Muhammad Q. Islam, Ph.D.
Hai long Qian, Ph.D.
Jack K. Strauss, Ph.D.
Adel Varghese, Ph.D.
Patrick J. Welch, Ph.D.

The Economics Department is the only department at Saint Louis University that offers a major either through the College of Arts and Sciences, or through the School of Business and Administration. The department also offers a Master of Arts in Economics. Students majoring in economics at Saint Louis University have typically gone on for graduate training in economics, law, business, medicine and other areas, or have pursued careers in business or government service. Students majoring in 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
ECN-B190 Principles of Economics ............................................. 3  
DSC-B207 Introductory Business Statistics ............................ 3  
ECN-B312 Intermediate Macroeconomics .............................. 3  
ECN-B314 Intermediate Microeconomics .............................. 3  
MT-A132 Survey of Calculus ............................................. 3  

Minimum of 5 upper-division electives in Economics selected from the following: 15

ECN-B379 Economic, Political and Social Development in Latin America
ECN-B400 Industrial Organization and Public Policy
ECN-B410 Urban and Regional Economics
ECN-B416 History of Economic Analysis
ECN-B420 Money and Banking
ECN-B430 International Economics
ECN-B431 Exchange Rates and the Global Economy
ECN-B440 Labor Economics
ECN-B450 Special Topics in Economics
ECN-B456 Economic Development
ECN-B460 Economics of the Government Sector
ECN-B477 Introduction to Econometrics

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  
FRESHMAN  
Core: ENG-A190 ................. 3  
Core: MT-A120 ................. 3  
Core: PL-A105 ................. 3  

15  

College of Arts and Sciences
English

Faculty:
Paul Acker, Ph.D.
Toby Benis, Ph.D.
Raymond P. Benoit, Ph.D.
Harold Bush, Ph.D.
Vincent Casaregola, Ph.D.
Stephen Casnier, Ph.D.
Jeffrey Clymer, Ph.D.
Lucien Fournier, Ph.D.
Antony Hasler, Ph.D.
Georgia Johnston, Ph.D.
Ellen Jones, Ph.D.
Kimberly Latta, Ph.D.
Clarence Miller, Ph.D.
Thomas Moisan, 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:
   After taking one 300-level course in English to fulfill the Core

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 towards 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 towards 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 ENG-A490. 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 Second Semester

FRESHMAN
Core: ENG-A190 3 Core: ENG-A200 level . . 3
Core: Foreign Lang. 3 Core: Science . . . . 3
Core: Fine Arts . . . . 3 Core: TH A-100 . . . . 3
Core: Social Science . . . . 3 Core: Social Science . . . . 3
Core: HS A-111 . . . . 15 Core: HS A-112 . . . . 15

SOPHOMORE
Core: ENG-A350 3 ENG-A351 . . . . 3
Core: Foreign Lang. 3 ENG-A360 . . . . 3
Core: MT A-120 . . . . 3 Core: Foreign Lang. 3
Core: PL A-105 . . . . 3 Core: TH A-200 level . . 3
Elective . . . . . . . . 3 Elective . . . . . . . . 3
15 15

JUNIOR
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 complement the major. Internships at MOCRA, Couples House and the Saint Louis Art Museum are possible.

### Art History - Curriculum Requirements:

#### Ancient Art:
- ARH-A 330, Classical Art; ARH-A 430, Greek Art or ARH-A 431, Roman Art

#### Medieval Art:
- ARH-A240, Medieval Art Survey; ARH-A340, Romanesque Art; ARH-A341, Gothic Art; ARH-A440, Illuminated Manuscripts or ARH-A441, Medieval Women and Art

#### Italian Renaissance Art:
- ARH-A350, Early Rens Art/ Culture; ARH-A351, High/ Late Rens Art/ Culture; ARH-A450, Papacy and Art; or ARH-A492, Special Topics

#### Northern Renaissance Art:
- ARH-A 352, Northern Renaissance Art or ARH-A451, Bosch and Brueghel

#### Nineteenth Century Art:
- ARH-A 270, 19th C Art Survey; ARH-A370, American Art or ARH-A470, 19th C. French

#### Modern Art:
- ARH-A 280, Modern Art Survey; ARH-A371, American Art; ARH-A380, 20th Century Art; ARH-A480, Contemporary Art or ARH-A485, Rel Dimensions of Modern Art

#### Studio Art:
- ARS-A200, Drawing or ARS-A210, Desigm
- ARH-A490, Research Methods
- 2-3 hour electives in Art History
- 1-3 hour elective in Studio Art

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

### Studio Art (B.A)

Students are encouraged to complete the foundation sequence before registering for upper-division studio courses. It is strongly recommended that Drawing I and Design be taken first. Studio majors should also consider taking ARH-A 101 History of Art before registering for higher level Art History courses. The courses chosen to complete the major will be determined in consultation with a faculty advisor.

### Studio Art-Curriculum Requirements:

#### Foundation Sequence in Studio Art:
- ARS-A200 Drawing I
- ARS-A210 Desigm
- ARS-A220 Painting I
- ARS-A230 Printmaking
- ARS-A240 Sculpture

Choose four upper Division Studio from the following:
- ARS-A205 Drawing for the Designer
- ARS-A300 Drawing Studio
- ARS-A301 Drawing Studio
- ARS-A305 Advanced Drawing for the Designer
- ARS-A320 Painting Studio
- ARS-A321 Painting Studio
- ARS-A330 Etching Studio
- ARS-A335 Monoprints
- ARS-A352 Printmaking
- ARS-A354 Ceramic
- ARS-A400 Studio Project
- ARS-A401 Studio Project

Three-3 hour Art History courses

Total hours required: 36 - Plus additional courses according to one of the four options listed below.
Music (B.A.)
Music Performance Emphasis, with Related Hours in Music Performance:
- MUS-A227 Music Theory/Musicianship I 3
- MUS-A228 Music Theory/Musicianship II 3
- MUS-A327 Music Theory III 3
- MUS-A329 Music Theory IV 3
- MUS-A330 Music History I 3
- MUS-A331 Music History II 3
- MUS-A441 Conducting 3
- MUS-A226 Music Computer Skills 1
- MUS-A126 Class Piano I* 2
- MUS-A127 Class Piano II* 2
- Ensemble performance 3
(MUS-A342 University Choral, or MUS-A344 University Master Singers, or MUS-A346 Ensemble Group) Music Electives 6
Total Required hours: 35

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

Related Hours:
- Private Study: Applied Music 0.16
- Senior Recital 0
- Piano Proficiency Exam 0

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

Musical Studies (non-performance) Emphasis:
- MUS-A227 Music Theory/Musicianship I 3
- MUS-A228 Music Theory/Musicianship II 3
- MUS-A327 Music Theory III 3
- MUS-A329 Music Theory IV 3
- MUS-A330 Music History I 3
- MUS-A331 Music History II 3
- MUS-A441 Conducting 3
- MUS-A226 Music Computer Skills 1
- MUS-A126 Class Piano I* 2
- MUS-A127 Class Piano II* 2
- MUS-A328 Counterpoint or Music History: Special Topics 3
- MUS-A427 Musical Analysis or Music History: Special Topics 3
- Ensemble Performance 3
(MUS-A342 University Choral, or MUS-A344 University Master Singers, or MUS-A346 Ensemble Group)

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

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

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 Chorale, Mastersingers or Ensemble Group during each semester of enrollment in the program.

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

Students must complete the major in theatre via one of three paths:

a) General Theatre Studies
b) Performance, or
c) Production and Design.

Students must gain approval from the faculty for the Advanced Performance or Advanced Production and Design areas. Students must complete the General Theatre Studies curriculum without faculty approval, 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.

General Theatre Studies Requirements:
- THR-A205 Acting I 3
- THR-A252 Stagecraft 3
- THR-A355 Theatre Lab (1 hour course, taken during four different semesters) 4
- THR-A350 Script Analysis 3
- THR-A451 Theatre History I 3
- THR-A452 Theatre History II 3

Choose 17 hours from the following courses:
- THR-A251 Acting I 3
- THR-A252 Stagecraft 3
- THR-A355 Theatre Lab 4
- THR-A350 Script Analysis 3
- THR-A451 Theatre History I 3
- THR-A452 Theatre History II 3

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

Theatre Performance Requirements:
- THR-A251 Acting I 3
- THR-A252 Stagecraft 3
- THR-A253 Acting II: Rehearsal & Performance 3
- THR-A254 Voice & Diction 2
- THR-A256 Movement for the Theatre 2
- THR-A259 Jazz Dance 2
- THR-A260 Modern Dance 2
- THR-A261 Intermediate Jazz Dance 2
- THR-A262 Intermediate Modern Dance 2
- THR-A361 Theatre Management 3
- THR-A362 Stage Management 2
- THR-A351 Musical Theatre Performance 3
- THR-A353 Scenic Art 2
- THR-A360 Professional Theatre: Career Preparation 2
- THR-A456 Directing 3
- THR-A461 Multi-cultural Survey of Theatre 3

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

Production & Design Requirements:
- THR-A251 Acting I 3
- THR-A252 Stagecraft 3

Students in the Performance Area are encouraged to use part of this Related Hours requirement to take additional courses in Applied Music: Voice and in dance.

Note: Admission to the Advanced Performance Area is determined by theatre faculty.

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

Students in the Performance Area are encouraged to use part of this Related Hours requirement to take additional courses in Applied Music: Voice and in dance.
<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Freshman</td>
<td>THR-A355 Theatre Lab (1 hour course, taken during four different semesters)</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>THR-A350 Playscript Analysis</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THR-A451 Theatre History I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THR-A452 Theatre History II</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>THR-A353 Scenic Art</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>THR-A265 Drawing For The Designer</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ARS-A210 Design</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Choose 9 hours from the following:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>THR-A305 Advanced Drawing For The Designer:</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Rendering and Presentation</td>
<td></td>
</tr>
<tr>
<td></td>
<td>THR-A357 Advanced Scenic Art</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>THR-A450 Costume Design</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>THR-A453 Scenic Design</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>THR-A454 Lightning Design</td>
<td>2</td>
</tr>
</tbody>
</table>

Note: Admission to the Advanced Production/Design Area is determined by theatre faculty.

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

Students in the Production/Design Area are also encouraged to use part of this Related Hours Requirement to take some additional course work in Studio Art.

All majors in Art History, Studio Art, Music and Theatre must complete an additional 14-16 hours of courses according to one of these four options:

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 area (36 hours or more)
Option 4: 15 hours of related course work chosen with faculty advisor.

Typical Course of Study
Each student’s sequence of courses will vary according to area of emphasis within the department, ability level, and career interests.

Following is one possible sequence 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>
</tr>
</thead>
<tbody>
<tr>
<td>FRESHMAN</td>
<td></td>
</tr>
<tr>
<td>FPA Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Core: ENG-A190</td>
<td>3</td>
</tr>
<tr>
<td>Core: HS-A111</td>
<td>3</td>
</tr>
<tr>
<td>Core: MT-A120</td>
<td>3</td>
</tr>
<tr>
<td>Core: Science</td>
<td>3</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

| SOPHOMORE | FPA Requirement | 3 | FPA Requirement | 3 |
|           | FPA Requirement | 3 | FPA Requirement | 3 |
|           | FPA Req. or Minor | 3 | FPA Req. or Minor | 3 |
|           | Core: Foreign Lang. | 3 | Core: Foreign Lang. | 3 |
|           | Core: PL-A205    | 3 | Core: TH-A200 level | 3 |
|           | 15               | 15 |

| JUNIOR | FPA Requirement | 3 | FPA Requirement | 3 |
|        | Minor           | 3 | Minor           | 3 |
|        | Core: ENG-A200 level | 3 | Core: PL-A300/ | 3 |

Total: 18 hours

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

3 hours Ancient or Medieval Art: ARH-A330 Classical Art; ARH-A430 Greek Art; ARH-A431 Roman Art; ARH-240 Medieval Art Survey; ARH-A340 Romanesque Art; ARH-A 341 Gothic Art; ARH-A440 Illuminated Manuscripts; or ARH-A441 Medieval Women & Art

3 hours Renaissance Art: ARH-A350, Early Rens Art; ARH-A351 High/Late Art/Culture; ARH-A 450 Papacy and Art; ARH-A492, Special Topics; ARH-A352 Northern Rens Art; or ARH-A451 Bosch and Brueghel


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

3 hours ARH-A490 Research Methods

Total: 18 hours

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

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

3 hours One course chosen from the ARS-A300 level

Total: 18 hours

Minor in Theatre
3 hours  THR-A251 Acting I  
3 hours  THR-A252 Stagecraft  
3 hours  THR-A355 Theatre Lab (1 hour course, taken during three different semesters)  
9 hours  Chosen from the following:  
THR-A265 Drawing for the Designer  
THR-A250 Costume Construction  
THR-A253 Acting II: Rehearsal & Performance  
THR-A254 Voice & Diction  
THR-A256 Movement For The Theatre: Mime  
THR-A259 Jazz Dance  
THR-A260 Modern Dance  
THR-A350 Playscript Analysis  
THR-A351 Musical Theatre Performance  
THR-A353 Scenic Art  
THR-A451 Theatre History I  
THR-A452 Theatre History II  
THR-A461 Multicultural Survey of the Theatre  
Total: 18 hours  
  
History  
Charlotte G. Borst, Ph.D., Chair  
  
Faculty:  
Charlotte G. Borst, Ph.D.  
Donald T. Critchlow, Ph.D.  
Thomas Curran, Ph.D.  
Sarah A. Curtis, Ph.D.  
James Fisher, Ph.D.  
Charles Fleener, Ph.D.  
Philip Gavitt, Ph.D.  
James Hitchcock, Ph.D.  
Thomas Madden, Ph.D.  
George Ndege, Ph.D.  
Charles H. Parker, Ph.D.  
Michal Rozbicki, Ph.D.  
T. Michael Ruddy, Ph.D.  
Jose Sanchez, Ph.D.  
Daniel Schlaflly, Jr., Ph.D.  
Warren Treadgold, Ph.D.  
  
The Department of History offers a unique program for undergraduate majors. After taking introductory courses in civilization and American history, students are eligible to enroll in seminar courses. Seminars focus on specific topics or themes and offer an opportunity for students to develop research and writing skills in a small class setting. Majors are required to take two seminars to complete the major, but are encouraged to take more. History majors often elect to take an internship at one of the local historical museums in the area or to work with the Journal of Policy History which is published through the Department of History.  

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 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: ENG-A190 . . . . . . . . . 3  
Core: HS-A111 . . . . . . . . . 3  
Core: MT-A120 . . . . . . . . . 3  
Core: Science . . . . . . . . . 3  
15  
JUNIOR  
HS-A492 . . . . . . . . . . . . . . 3  
Elective . . . . . . . . . . . . . . . 3  
Core: ENG-A200 level . . . . . . . 3  
Core: Cultural Diversity . . . . . 3  
Core: Foreign Lang. . . . . . . . 3  
Core: TH-A200 level . . . . . . . 15  
SENIOR  
HS-A Elective . . . . . . . . . . . . . 3  
Elective . . . . . . . . . . . . . . . 3  
Core: HS-A320 . . . . . . . . . . . 3  
Core: HS-A330 . . . . . . . . . . . 3  
Core: HS-A346 . . . . . . . . . . . 3  
Core: HS-A490 . . . . . . . . . . . 3  
Core: HS-A491 . . . . . . . . . . . 3  
Core: Foreign Lang. . . . . . . . 3  
Core: TH-A300/400 level . . . . . . 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  
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 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 3.3; the Honors Director will re-evaluate students who fall below the 3.30 GPA. To graduate with an Honors degree, the student must have a 3.3 or higher GPA at the time of graduation. Program requirements follow:

I. A minimum of 24 hours of Honors courses, which includes:
   A. HR A-190 Crossroads: An Introduction to Honors;
   B. One upper-level Honors Seminar;
   C. At least 12 hours of upper-division course work in Honors (300-400 level);
   D. HR A-490 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 A-495 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, society and various historical, political and/or economic issues as found in different areas of the world today. The program is designed to provide skills and knowledge for students seeking an international dimension in their careers. At the same time, students enhance their education with the addition of a global perspective to their studies.

As business, government, law, telecommunications, service organizations, and Wall Street become more and more involved in the international 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, banking; International journalism; 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/or other areas of emphasis. An attractive option is a major in International Studies as a complement to a second major in another field such as political science, history, modern languages and literatures, English, economics or communication. Possible areas of focus in the International Studies program 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, and an INTERN-SHIP or POL-A468: Foreign Service Internship (1-6 cr. hr.). The internship may be international or local, however local internships must relate to international matters (number of credit hours depend on length of study and kind of course work undertaken, maximum 3 credit hours). Students should consult with the International Studies advisor and secure approval before selecting an option. Internships require a final research paper.
3. Demonstration by examination of computer proficiency.
4. 31 hours of International Studies (IS) courses.

Four courses (10 cr. hr.) constitute a "core" and are required:

a) Introduction to International Studies (1 cr. hr.)

b) One course from the following (3 cr. hr.):
   - ECN-B190: Principles of Economics (Or with the permission of the Department of Economics, ECN-B312: Intermediate Macroeconomics)
   - POL-A160: Introduction to International Politics
   - POL-A261: Introduction to Diplomacy
   - CMM-A330: Intercultural Communication
   - SC-A361: "Sociology of International Relations"

C) A course relating to Contemporary Culture or History focusing on an area outside the United States (3 cr. hr.). Students may select from the following courses or complete an equivalent course in a Study Abroad program:
   - FR-GR-RU-SP-A325
   - Senior Seminar in International Studies (3 cr. hr.). This is the international internship.

5. The remaining 21 hours may be selected from the following courses or complete an equivalent course in a Study Abroad program:

   a) Undergraduate courses taken at SLU in the International Studies program include:
      - ANT-A100

Social Sciences:

   - ANT-A101
College of Arts and Sciences - 99

Mathematics and Mathematical Computer Science

Faculty:
- Anneke Bart, Ph.D.
- Russell Blyth, Ph.D.
- John Cantwell, Ph.D.
- Bradley Currey, III, Ph.D.
- Hongming Ding, Ph.D.
- Kimberly Druschel, Ph.D.
- Charles Ford, Ph.D.
- Raymond Freese, Ph.D.
- Steven Harris, Ph.D.
- James Hebda, Ph.D.
- James Kalliongis, Ph.D.
- David Jackson, Ph.D.
- Michael May, S.J., Ph.D.
- Julianna Rainbolt, Ph.D.
- James Riles, Ph.D.
- Kevin Scanell, Ph.D.
- Darren Speegle, Ph.D.
- T. Christine Stevens, Ph.D.
- Michael Tsau, Ph.D.
- Dennis Wacker, 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, 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
- MT-A142 Calculus I
- MT-A143 Calculus II
- MT-A244 Calculus III - must be taken at Saint Louis University with a grade of at least "C"
- MT-A266 Principles of Mathematics
- MT-A315 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**
- MT-A411 Introduction to Abstract Algebra
- MT-A412 Linear Algebra
- MT-A421 Introduction to Analysis
- MT-A422 Metric Spaces
  One additional upper division MT-A course

**Applied Mathematics**
- One additional upper division MT-A course

**Teachers Option**
- MT-A401 Elementary Theory of Probability
- MT-A405 History of Mathematics
- MT-A411 Introduction to Abstract Algebra
- MT-A441 Foundations of Geometry

One additional course chosen from the following:
- MT-A351 Differential Equations
- MT-A402 Introductory Mathematical Statistics
- MT-A425 Theory of Numbers
- MT-A447 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>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
<td></td>
</tr>
<tr>
<td>MT-A142</td>
<td>MT-A143</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>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td><strong>SOPHOMORE</strong></td>
<td></td>
</tr>
<tr>
<td>MT-A244</td>
<td>MT-A315</td>
</tr>
<tr>
<td>MT-A266</td>
<td>Core: Science</td>
</tr>
<tr>
<td>Core: ENG-A200 level Lit.</td>
<td>Core: Fine Arts</td>
</tr>
<tr>
<td>Core: PL-A105</td>
<td>Core: TH-A200 level</td>
</tr>
<tr>
<td>Core: Foreign Language</td>
<td>Elective</td>
</tr>
<tr>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td><strong>JUNIOR</strong></td>
<td></td>
</tr>
<tr>
<td>MT-A (upper div. sequence)</td>
<td>MT-A (upper div. sequence)</td>
</tr>
<tr>
<td>Core: PL-A205</td>
<td>Core: PL-A300/ 400 level</td>
</tr>
<tr>
<td>Core: TH-A300 level</td>
<td>Core: Science</td>
</tr>
<tr>
<td>Core: ENG-A300 level Lit.</td>
<td>Elective</td>
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<tr>
<td>Elective</td>
<td>Elective</td>
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<tr>
<td>15</td>
<td>15</td>
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<tr>
<td><strong>SENIOR</strong></td>
<td></td>
</tr>
<tr>
<td>MT-A (upper div. sequence)</td>
<td>MT-A (upper div. sequence)</td>
</tr>
<tr>
<td>MT-A 300/ 400 level</td>
<td>Core: Social Science</td>
</tr>
<tr>
<td>Core: Social Science</td>
<td>Elective</td>
</tr>
<tr>
<td>Core: Cultural Diversity</td>
<td>Elective</td>
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<tr>
<td>Elective</td>
<td>Elective</td>
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<tr>
<td>15</td>
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</tr>
</tbody>
</table>

**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 MT-A elective at Washington University.

**Mathematics Minor**

A minor in mathematics consists of:
- MT-A142 - Calculus I
- MT-A143 - Calculus II
- MT-A244 - Calculus III
- MT-A266 - Principles of Mathematics
- MT-A315 - 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 of the following upper-division courses:
- MT-A311 Linear Algebra for Engineers
- MT-A354 Differential Equations for Engineers
- MT-A370 Advanced Mathematics for Engineers
- MT-A403 Probability and Statistics for Engineers
- MT-A451 Introduction to Complex Variables
- MT-A452 Complex Variables II
- MT-A454 Applied Partial Differential Equations

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. The student may count transfer credit in Differential Equations toward the minor. All other courses must be taken at Saint Louis University.

**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:**
- MT-A142: Calculus I
- MT-A143: Calculus II
- MT-A244: Calculus III
- MT-A266: Principles of Mathematics
- MT-A315: Introduction to Linear Algebra

**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>MT-A141</td>
<td>MT-A142</td>
</tr>
<tr>
<td>Core: CS-A120</td>
<td>Core: CS-A220</td>
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<tr>
<td>Core: HS-A111</td>
<td>Core: HS-A112</td>
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<tr>
<td>Core: ENG-A190</td>
<td>Core: TH-A100</td>
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<tr>
<td>Elective</td>
<td>Elective</td>
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<tr>
<td><strong>SOPHOMORE</strong></td>
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<tr>
<td>MT-A141</td>
<td>MT-A142</td>
</tr>
<tr>
<td>Core: CS-A120</td>
<td>Core: CS-A220</td>
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<tr>
<td>Core: HS-A111</td>
<td>Core: HS-A112</td>
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<tr>
<td>Core: ENG-A190</td>
<td>Core: TH-A100</td>
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<tr>
<td>Elective</td>
<td>Elective</td>
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<td>15</td>
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</tr>
</tbody>
</table>
### Undergraduate Certificate in Medieval Studies

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

#### Core Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core: Foreign Lang.</td>
<td>3</td>
</tr>
<tr>
<td>Core: ENG-A200 Introduction to Medieval Studies</td>
<td>1</td>
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<tr>
<td>Core: PL-A105</td>
<td>3</td>
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</tbody>
</table>

**Total: 16 credits**

#### Elective Course

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

**Total: 3 credits**

#### Course Work

- **MT-A143**: Medieval Synthesis
- **MT-A244**: Medieval Theology
- **MR-AXXX**: Medieval Philosophy
- **MR-AXXX**: Medieval Historical Thought
- **MR-AXXX**: Medieval Political Science
- **MR-AXXX**: Medieval Synthesis

**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 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
  - SP-A441 Spanish Literary Culture
  - FR-A493 Special Topics
  - GR-A493 Special Topics
  - IT-A493 Special Topics
  - RU-A493 Special Topics
  - SP-A493 Special Topics

**Medieval History:**

- This elective can be chosen from among the following:
  - HS-A301 Byzantine History
  - HS-A303 The Middle Ages 1100-1300
  - HS-A305 The Middle Ages 1100-1450
  - HS-A306 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.

---

**Micah House Program**

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

Micah House is a 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, 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 special sections of 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 special sections, 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 courses, 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. Class size is normally limited to 25 students.

Freshman-Year Project:
Entering students apply in their senior year of high school. During their freshman year at the University, they enroll in special Micah House sections of the following introductory Core courses:

MH-A100 Theological Foundations (3). Cross-listed with TH-A100.
MH-A110 Historical Intro. to Greek Philosophy (3). Cross-listed with PL-A105.

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 Rhetoric and Research, 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, which offer further opportunities to discuss and write about urban issues and the Shaw Neighborhood.

MH-A490 Senior Practicum (3).

Secondary Offerings:
Up to two of the courses listed below may be taken for credit in the Micah House certificate program in Community Service, Social Justice, and Peace in the American City. None of these offerings require community service or Community Night meetings. 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.

PL-A486 Aldermanic Internship (1-3)
POL-A309 Aldermanic Internship (1-3)
PPS-G202 Introduction to Urban Classics (3)
PPS-G408 Urban Issues: Poverty and Unemployment (3)
PPS-G410 Introduction to Urban Economics (3)
PSY-A430 Social Psychology (3)
PSY-A472 Developmental Psychology of African-American Children (3)
SC-A330 Social Psychology (3)
SC-A336 Racial and Ethnic Relations (3)
SC-A355 Juvenile Delinquency (3)
SW-A226 Self in Society (3)
SW-A302 The American Social Welfare System (3)
SW-A327 Diversity Issues in Social Work Practice (3)
TH-A487 Spirituality and Political Commitment (3)

Typical sequence of courses:

<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: MH-A100*</td>
<td>Core: MH-A140</td>
</tr>
<tr>
<td>Core: MH-A110</td>
<td>Core: MH-A190*</td>
</tr>
<tr>
<td><strong>SOPHOMORE</strong></td>
<td></td>
</tr>
<tr>
<td>Core: MH-A215*</td>
<td>Core: MH-A305*</td>
</tr>
<tr>
<td><strong>JUNIOR</strong></td>
<td></td>
</tr>
<tr>
<td>MH-A365</td>
<td>Core: MH-A434*</td>
</tr>
<tr>
<td><strong>SENIOR</strong></td>
<td>MH-A490*</td>
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<tr>
<td>PPS-G408</td>
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<tr>
<td><strong>Notes:</strong></td>
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<tr>
<td>* 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.</td>
<td></td>
</tr>
<tr>
<td>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).</td>
<td></td>
</tr>
</tbody>
</table>

Modern and Classical Languages

Anthony Daly, S.J., Ph.D., Chair

Faculty:
Reinhard A. Andress, Ph.D.
Olga I. Arbelaez, Ph.D.
Anton T. Brinckwirth, A.M.
Marie E. Cardona Johnson, Ph.D.
Anthony C. Daly, S.J., Ph.D.
Paul Garcia, Ph.D.
Nelly Grosswasser, A.M.
Lois C. Hammick, Ph.D.
Teressa H. Johnson, Ph.D.
Claudine Jomphe, Ph.D.
Julia R. Lieberman, Ph.D.
Oscar R. Lopez, Ph.D.
David T. Murphy, Ph.D.
Jean-Louis J. Pautrot, Ph.D.
Claude N. Pavur, S.J., Ph.D.
Angela Smart, Ph.D.
Mauricio M. Souza, Ph.D.
Donna E. West, Ph.D., Esq.
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 prepare for 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, Hindi, Italian, 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. 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 300-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 each requires 20 upper division hours of language and literature within the department (including oral and written communication: courses numbered 310 and 315) and 9 hours of work outside the department in other disciplines.

**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:


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.
### 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: GK-A110, 115, 210, or the equivalent; LT-A110, 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 literature, history, religion, culture, and life of Greek and Roman antiquity. Either Greek through the intermediate level, Latin through the intermediate level, or the equivalent, or LG-A405 and LG-A406 must be included. If the beginning courses in Latin or Greek are chosen, only 18 additional upper-division hours are required.

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; must include either LT-A110, LT-A115, and LT-A210 or GK-A110, GK-A115, and GK-A210 or LG-A405 and LG-A406.

May include all of these courses.

### 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 Language and Literature

The prerequisites for this degree consist of Latin and Greek through the intermediate level.

### First Semester | Second Semester
---|---
**FRESHMAN**
LT-A110 | LT-A115
Core: Fine Arts
Core: HS-A112
Core: TH-A100
Core: MT-A120
**Sophomore**
LT-A210 | LT-A300/400
Author course
**Junior**
LT-A115 | GK-A110
Core: HS-A112
Core: TH-A100
Core: MT-A120
**Senior**
GK-A115 | GK-A210
Core: ENG-A30
Core: ENG-A30
level Lit.
Certificate Program in Modern and Classical Languages
The Department of Modern & Classical Languages offers Certificates in general Language Proficiency (French, German, Russian and Spanish), Classical Humanities, Greek and Latin. The Department also participates 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

Minor in German
GR-A310 ............ 4
GR-A315 ............ 4
GR-A410 ............ 4
GRA-400 lit. electives . . . . 6

Minor in Greek
GK-A110 ............ 3
GK-A115 ............ 3
GK-A210 ............ 3
GK-A400 level electives . . . . . . 9

Minor in Latin
LT-A110 ............ 3
LT-A115 ............ 3
LT-A210 ............ 3
LT-A300/400 level elect. . . . . 9

Minor in Russian
RU-A310 ............ 3
RU-A315 ............ 3
RU-A410 ............ 3
RU-A400 level electives . . . . . . 6

Minor in Spanish
SP-A310 ............ 3
SP-A315 ............ 3
SP-A410 ............ 3
SP-A415 ............ 3
SP-A400 level elective . . . . . . 6*

* Must be taught in Spanish; must be in Spanish or Latin American literature, Spanish or Latin American contemporary civilization and culture, or one from each category.

Study Abroad Programs
Saint Louis University in France (Lyons)
Saint Louis University in Germany (Baden-Württemburg)
Saint Louis University in Spain (Madrid Campus)

See Study Abroad section earlier in this Catalog. Information and curriculum options are available from the program director. Students interested in studying in France or Germany should contact: International Programs Office, DuBourg Hall, Room 247, (314) 977-2490.

Students interested in studying in Spain should contact: Spain Program Office, DuBourg Hall, Room 155, (314) 977-8177.

Students interested in any of the programs may also contact the Chair of Modern and Classical Languages Department, Ritter Hall 3365, (314) 977-2450.

**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.
- James F. Bohman, Ph.D.
- William C. Charron, Ph.D.
- Richard Dees, Ph.D.
- John P. Doyle, Ph.D.
- Peter J. Graham, Ph.D.
- Garth L. Hallett, S.J., Ph.D.
- John F. Kavanaugh, S.J., Ph.D.
- Harry Klocker, S.J., Ph.D.
- Colleen Mccluskey, Ph.D.
- Jack C. Marler, Ph.D.
- Vincent C. Punzo, Ph.D.
- William R. Rehg, S.J., Ph.D.
- Mark L. Shook, M.A.
- Eleonore Stump, Ph.D.
- George N. Terzis, Ph.D.
- Theodore R. Vitali, C.P., 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: an historical track, a Health Sciences track, and a Society and Law track.

**The Historical Track in Philosophy (B.A.)**

Required Courses (30 hours)

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

Additional Requirement

Senior inquiry satisfied by one of the following:

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 Major 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**

Course:
- Introduction to Philosophy (PL A105) ....................................................... 3
- Ethics (PL A205) ..................................................................................... 3
- History of Ancient (PL A440) or Medieval (PL A450) ......................... 3
- History of Modern (PL A460) ................................................................. 3
- Logic (PL A404 or PL A406)
- One (1) course that focuses on a fundamental issue:
  - Philosophy of Being (PL A320), Philosophy of God (PL A325), or
  - Philosophy of Human Nature (PL A330), or Problems in the
    - Philosophy of Religion (PL- A486) .................................................. 3
- Two (2) of the following:
  - Biology and Mind (PL A482), Medical Ethics (PL A336), Philosophy
    - of the Physical Sciences (PL A415) .................................................. 6
- Philosophy electives at the 300 or 400 level ........................................... 6
- Senior Inquiry ....................................................................................... 0-3 hours

Total hours: 30

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 Major 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.

Introduction to Philosophy (PL A105) ....................................................... 3
- Ethics (PL A205) ..................................................................................... 3
- History of Ancient (PL A440) or Medieval (PL A450) ......................... 3
- History of Modern (PL A460) ................................................................. 3
- Logic (PL A404 or PL A406)
- One (1) course that focuses on social/ethical issues:
  - Philosophy of Being (PL A320), Philosophy of God (PL A325),
  - Philosophy of Human Nature (PL A330), or Problems in the
    - Philosophy of Religion (PL A486) .................................................. 3
- Philosophy of Law (PL A433) ................................................................. 3
- One (1) course that focuses on social/ethical issues:
  - Business Ethics (PL A338), Medical Ethics (PL A336), Ethics and
    Engineering (PL A340), Philosophy of the Social Sciences
    (PL A418), or Topics in Advanced Ethics (PL A485) ......................... 3
- Philosophy electives at the 300 and 400 levels ....................................... 6
- Senior Inquiry ....................................................................................... 0-3 hours

Total hours: 30

Remaining Hours: The students 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>
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<tbody>
<tr>
<td>FRESHMAN</td>
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<tr>
<td>Core: ENG-A190</td>
<td>Core: ENG-A200</td>
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<tr>
<td>Core: PL-A105</td>
<td>Core: HS-A111</td>
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<tr>
<td>Core: Foreign Lang.</td>
<td>Core: PL-A205</td>
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<tr>
<td>Core: MT-A120</td>
<td>Core: Foreign Lang.</td>
</tr>
<tr>
<td>Core: Science</td>
<td>Core: Science</td>
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</table>

| SOPHOMORE               |                          |
| Core: TH-A100           | Core: Social Science     |
| Core: Foreign Lang.     | Core: PL-A300/400 level  |
| Core: HS-A112           | Core: PL-A404            |
| Core: ENG-A300 level Lit.| Elective                 |
| PL-A 320 or 325         | Elective                 |
|                        | 15                       |

| JUNIOR                  |                          |
| Core: TH-A200 level     | Core: PL-A450            |
| PL-A440                 | Core: Fine Arts          |
| Core: Social Science    | Elective                 |
| Elective                | Elective                 |
|                        | Elective                 |
|                        | 15                       |

| SENIOR                  |                          |
| PL-A460                 | Core: Elective           |
| Core: TH-A300 level     | Elective                 |
| Elective                | Elective                 |
| Elective                | PL-A488                  |
| Elective                | PL-A495                  |
| Elective                | 6-21                     |
|                        | 15                       |

Total Hours: 120

Relavent substitutions for the Pre Health Sciences Track and the Law and Society Track should occur in the Junior and Senior years. It should be noted that the History of Ancient (PL-A440) and History of Modern Philosophy (PL-A460) are always offered during the fall semester, while the History of Medieval (PL-A450) is always offered during the spring semester. The Philosophy of Being (PL-A320), the Philosophy of Law (PL-A433), Engineering and Ethics (PL-A340), Logic (PL-A404) and Biology and Mind (PL-A482) are normally offered during the fall semester. Business Ethics (PL-A338) and Logic for Pre-Professionals (PL-A406) are normally offered in the spring semester. The Philosophy of God (PL-A325), the Philosophy of Human Nature (PL-A330), Medical Ethics (PL-A336), and the Philosophy of the Physical Sciences (PL-A415) are normally offered in both fall and spring semesters.

Philosophy Minor
Required Courses (18 hours)
PL-A105..........................3
PL-A205..........................3
300/400 level Philosophy courses......12

Political Science
Timothy J. Lomperis, Ph.D., Chair

Faculty:
Ellen P. Carnaghan, Ph.D.
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.

There is also an Honor’s Thesis option in the Senior Year 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.

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.

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<tbody>
<tr>
<td><strong>FRESHMAN</strong></td>
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<tr>
<td>Core: ENG-A190 .3</td>
<td>Core: Foreign Lang. .3</td>
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<tr>
<td>Core: Foreign Lang. .3</td>
<td>Core: ENG-A300</td>
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<td>Core: HS-A111 .3</td>
<td>Core: MT-A120 .3</td>
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<tr>
<td>Core: Cultural Div. .3</td>
<td>Core: TH-A100 .3</td>
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<tr>
<td>POL-A100 .3</td>
<td>POL-A150 .3</td>
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<th><strong>SOPHOMORE</strong></th>
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<tr>
<td>Core: Foreign Lang. .3</td>
<td>Core: TH-A205 .3</td>
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<tr>
<td>Core: ENG-A200 level Lit. .3</td>
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<td>Core: Science .3</td>
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<tr>
<td>Core: Science .3</td>
<td>Core: Fine Arts .3</td>
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<tr>
<td>POL-A110 .3</td>
<td>Core: PL-A205 .3</td>
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<tr>
<th><strong>JUNIOR</strong></th>
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<tbody>
<tr>
<td>Core: TH-A365 .3</td>
<td>Core: TH-A300 level .3</td>
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<td>POL-A372 .3</td>
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<td>POL-A160 .3</td>
<td>POL-A340 .3</td>
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<th><strong>SENIOR</strong></th>
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<tbody>
<tr>
<td>Core: PL-A300/ 400 level .3</td>
<td>POL-A Elective .3</td>
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<td>POL-A482 .3</td>
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<td>POL-A495 .3</td>
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</tbody>
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51 hours

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 | 3 |
| ACC-B222 Managerial Accounting | 3 |
| DSC-B207 Introduction to Business Statistics | 3 |
| ECN-B190 Principles of Economics | 3 |
| ENG-A190 Advanced Strategies/ Rhetoric Research | 3 |
| History, Political Science, or Sociology | 6 |
| MIS-B200 Management Information Systems | 3 |
| MT-A120 College Algebra | 3 |
| MT-A132 Survey of Calculus | 3 |
| Natural Science | 6 |
| PL-A105 Historical Introduction to Philosophy | 3 |
| PL-A205 Ethics | 3 |
| PLS-A291 Foundations of Law | 3 |
| PSY-A101 General Psychology | 3 |
| TH-A100 Theological Foundations | 3 |

51 hours

## Psychology

Michael R. Leippe, Ph.D., Chair

Faculty:
- A. Michael Anch, Ph.D.
- Allan G. Barclay, Ph.D.
- Joseph E. Brown, S.J., Ph.D.
- Eddie M. Clark, Ph.D.
- John F. Cross, Ph.D.
- D. Gene Davenport, Ph.D.
- Donna Eisenstadt, Ph.D.
- Phyllis Terry Friedman, Ph.D.
- Jeffrey D. Gfeller, 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.
- Elaine Jones, Ph.D.
- James K. Horn, Ph.D.
- Thomas J. Kramer, Ph.D.
- Janet Kuehli, Ph.D.
- Donna LaVoie, Ph.D.
- Ronald B. Margolis, Ph.D.
- David C. Munz, Ph.D.
- Joan Miles O’Liver, Ph.D.
- Michael J. Ross, Ph.D.
- Edward S. Sabin, Ph.D.
- H. Russell Searight, Ph.D.
- Terri Lynn Weaver, Ph.D.
- Robert J. Wheeler, Ph.D.
- Richard L. Wiener, 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.

### Pre-Law Scholars Program

Charles Fleener, Ph.D., Director

See general College of Arts and Sciences section for a description of the Pre-Law Scholars Program. The following courses should be taken in the first/second years by Pre-Law Scholars who are students in the College of Arts and Sciences:

- ECN-B190 Principles of Economics with Laboratory .3
- ENG-A190 Strategies of Rhetoric and Research .3
- ENG-A200 300/ 400 level, two literature courses .6
- A100 Approaching the Arts .3
- HS-A111 and 112 Origins of the Modern World .6
- MT-A120 College Algebra .3
- Natural Science .6
- PL-A105 Historical Introduction to Philosophy .3
- PL-A205 Ethics .3
- PLS-A291 Foundations of Law .3
- RM-A410 Introduction to Inferential Statistics .3
- Social Science .3
- TH-A100 and 200 level course .6

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 .3
- ACC-B222 Managerial Accounting .3
- DSC-B207 Introduction to Business Statistics .3
- ECN-B190 Principles of Economics .3
- ENG-A190 Advanced Strategies/ Rhetoric Research .3
- History, Political Science, or Sociology .6
- MIS-B200 Management Information Systems .3
- MT-A120 College Algebra .3
- MT-A132 Survey of Calculus .3
- Natural Science .6
- PL-A105 Historical Introduction to Philosophy .3
- PL-A205 Ethics .3
- PLS-A291 Foundations of Law .3
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-A101 and PSY-A205.

One course from each of these areas:
- PSY-A410-419 Experimental
- PSY-A420-429 Developmental
- PSY-A430-439 Personality/ Social
- PSY-A440-449 Applied

One senior inquiry (3 credit hours), either:
- PSY-A487 Senior Practicum,
- PSY-A488 Senior Research, or
- PSY-A490 Advanced General Psychology

Minimum residency requirement of 9 credits from the department, including Senior Inquiry.

Typical Course of Study

First Semester Second Semester

FRESHMAN
Core: ENG-A150 ........... 3 Core: ENG-A190 ........ 3
PSY-A101 ........... 3 PSY-A205 ........... 3
Core: Foreign Lang. .... 3 Core: Foreign Lang. .... 3
Core: PL-A105 ........... 3 Core: MT-A120 ........... 3
Core: TH-A100 ........... 3 Core: PL-A205 ........... 3
15 15

SOPHOMORE
PSY-A430 ........... 4 PSY-A439 ........... 3
PSY-A426 ........... 3 PSY-A421 ........... 3
Core: Foreign Lang. .... 3 Core: Fine Arts ........... 3
Core: HS-A111 ........... 3 Core: TH-A221 ........... 3
Related Hours ........... 3 Core: HS-A112 ........... 3
16 15

JUNIOR
PSY-A431 ........... 3 PSY-A490 ........... 3
Core: ENG-A200 level Lit. .... 3 PSY-A474 ........... 3
Related Hours ........... 3 Core: ENG-A300 level Lit. .... 3
Core: SC-A259 ........... 3 Related Hours ........... 3
CMM-A180 ........... 3 GEO-A111 ........... 3
15 15

SENIOR
PSY-A480 ........... 3 PSY-A411 ........... 3
PSY-A424 ........... 3 PSY-A308 ........... 3
Related Hours ........... 3 Related Hours ........... 3
SC-A323 ........... 3 PSY-A475 ........... 3
PSY-A441 ........... 3 PSY-A487 ........... 3
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:

- PSY-A101 General Psychology
- One 3-credit hour course in each of the following areas:
  - PSY-A410-419 Experimental
  - PSY-A420-429 Developmental
  - PSY-A430-439 Personality/ Social

Sociology and Criminal Justice

Buford Farris, Ph.D., Chair

Faculty:
- Buford Farris, Ph.D.
- Kathryn E. Kuhn, Ph.D.
- Charles Edward Marske, Ph.D.
- William J. Monahan, Ph.D.
- Richard Seiter, Ph.D.
- Steven Vago, Ph.D.

The Department of Sociology and Criminal Justice offers a variety of courses which are directed toward the understanding of social life and the structures. The focus is on perspectives that can enable students to be involved in concerns of social justice. The department has two types of programs for undergraduate degrees. It offers both a Bachelor of Arts degree in Sociology and a Bachelor of Arts degree in Criminal Justice.

Sociology (B.A.)

Required Courses
- SC-A110 Introduction to Sociology ........................................... 3
- SC-A120 Introduction to Anthropology ....................................... 3
- SC-A330 Social Psychology ...................................................... 3
- SC-A414 Theories of Society ..................................................... 3
- SC-A492 Research Methods ...................................................... 3

Electives (upper division course work in the department) .......... 15

A total of 30 hours required in Sociology

The Department is developing a specialization in Social Development and Social Justice which involves a concept of value based social change and the application of sociological thinking to major societal issues. If a student chooses this area, they should discuss with their advisor what courses should be taken such as:

- SC-A336 Racial and Ethnic Relations
- SC-A344 Third World Development
- SC-A400 Field Work Practicum
  (In Social Development agencies)
- SC-A450 Social Stratification: The Sociology of Inequality
- SC-A323 Gender and Society

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

First Semester Second Semester

FRESHMAN
SC-A110 ........... 3 Core: Science ........... 3
Students should choose two courses (6 hours) from the courses listed:

SC-A400 Field Work Practicum .................. 6

SC-A120 Research Methods .................... 3
SC-A414 Theories of Society ................... 3
SC-A359 Law and Society ....................... 3
SC-A357 Criminology ............................. 3
SC-A356 Introduction to Corrections ............ 3
SC-A492 Theories of Society .................... 3
SC-A493 Research Methods ..................... 3
SC-A494 Field Work Practicum .................. 6

Elective ................................. 3
Elective ................................. 3
Elective ................................. 3
Elective ................................. 3

Total minimum hours required for graduation: 120

Criminal Justice (B.A.)

Prerequisite: 
SC-A110 Introduction to Sociology ............ 3

Required Courses: 
SC-A241 The Criminal Justice System ............. 3
SC-A330 Social Psychology or .................. 3
SC-A352 Clinical Sociology ..................... 3
SC-A356 Introduction to Corrections ............ 3
SC-A357 Criminology ............................. 3
SC-A359 Law and Society ....................... 3
SC-A414 Theories of Society .................... 3
SC-A492 Research Methods ..................... 3
SC-A493 Field Work Practicum .................. 6

Students should choose two courses (6 hours) from the courses listed below:

SC-A322 Urban Sociology
SC-A333 White Collar and Corporate Crime
SC-A335 Collective Behavior
SC-A336 Racial and Ethnic Relations
SC-A337 Introduction to Social Change
SC-A342 Organizations: Theory and Practice
SC-A350 Current Social Problems
SC-A355 Juvenile Delinquency
SC-A358 Sociology of Deviant Behavior
SC-A450 Social Stratification:
The Sociology of Inequality
SC-A462 Probation, Parole
and Community Corrections

* some of the above courses are taught only occasionally. If there are problems for the student, alternatives can be approved by the advisor and the chair. 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
Each student's sequence of courses will vary according to credits taken in high school, ability level, individual preferences and career goals. Following is one possible sequence, for a student with no entering college credit.

First Semester Second Semester
FRESHMAN
SC-A110 ................................. 3  Core: Science  ...................... 3
SC-A241 ................................. 3  Core: Foreign Lang. ............... 3
SC-MT-A120 .............................. 3  Core: HS-A112 .................... 3
SC-HS-A111 .............................. 3  Core: PL-A105 .................... 3
Core: ENG-A190 ......................... 3
Core: TH-A100 ............................ 3

SOPHOMORE
SC-A330 ................................. 3  SC-A357 ............................. 3
Core: Foreign Lang ...................... 3  Core: HS-A112 .................... 3
Core: PL-A205 ......................... 3  Core: PL-A105 .................... 3
Core: ENG-A190 ......................... 3
Core: TH-A100 ............................ 3

JUNIOR
SC-A492 ................................. 3  SC-A414 ............................. 3
SC-A400 ................................. 3  SC-A359 ............................. 3
Elective .................................. 3  SC-A357 ............................. 3
Elective .................................. 3  Elective ............................. 3
Elective .................................. 3

SENIOR
Elective ................................. 3  SC-A356 ............................. 3
Elective ................................. 3  Elective ............................. 3
Elective ................................. 3
Elective ................................. 3

Total hours required for graduation: 120

Minor in Sociology
For a student to receive a Minor in Sociology, the following courses would need to be completed:

SC-A120 Introduction to Anthropology ............ 3
SC-A110 Introduction to Sociology ............... 3

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

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

Faculty:
Irvin M. Akin, Ph.D.
Barnhard A. Asen, Ph.D.
Francis X. Cleary, S.J., S.T.D.
James T. Fisher, Ph.D.
Dolores L. Grewal, R.S.M., Ph.D.
J. A. Wayne Heilman, O.F.M. Conv., Dr. Theol.
Mark D. Holtz, Ph.D.
Valarie Karras, Th.D.
Belden C. Lane, Ph.D.
Edwin Lisson, S.J., S.T.D.
Michael 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.
Joan A. Range, A.S.C., Ph.D.
G. John Renard, Ph.D.
Julie Hanlon Rubio, Ph.D.
Richard L. Schebera, S.M.M., Ph.D.
William M. Shea, Ph.D.
Kenneth B. Steinhauser, Th.D.
James Voiss, S.J., Ph.D.

Theology (B.A.)

See Core Curriculum. After completion of the core course (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:

- Biblical (00-19) .................................................. 3
- Historical (20-39) ........................................... 3
- Systematic (40-59) ........................................... 3
- Ethics/Spirituality (60-89) .............................. 3
- Two additional courses in one of the areas above .......... 6
- One additional course in a second area ........... 3
- Electives ...................................................... 3
- TH-A490-491 Senior Seminar I and II ............ 3

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. Following is one possible sequence, for a student with no entering college credits.

First Semester Second Semester

FRESHMAN
Core: TH-A100 ............ 3 TH-A201 ............ 3
Core: Foreign Lang. .... 3 Core: Foreign Lang. .... 3
Core: MT-A120 ............ 3 Core: HS-A112 ............ 3
Core: HS-A111 ............ 3 Core: Science ............ 3
Core: ENG-A150 ............ 3 Core: Cultural Div. ............ 3

15 15

SOPHOMORE
Core: Foreign Lang. .... 3 PSY-A100 ............ 3
Core: PL-A105 ............ 3 Core: ENG-A200
level Lit. ............ 3

15

JUNIOR
Core: ENG-A190 ............ 3 TH-A244 ............ 3
TH-A223 ............ 3 TH-A221 ............ 3

15 15

SENIOR
Core: Science ............ 3 Core: MT-A132 ............ 3
TH-A312 ............ 3 TH-A222 ............ 3
Core: Fine Arts ............ 3 TH-A365 ............ 3
TH-A225 ............ 3 Elective ............ 3
TH-A223 ............ 3 HS-A315 ............ 3

15 15

Total Hours: 120

Minor in Theology (18 hours)

TH-A100 ............ 3 TH-A200 level ............ 3
TH-A200 level ............ 3 TH-A300 level ............ 3
TH-A490 ............ 3 TH-A300 level ............ 3
TH-A495 ............ 0 TH-A495 ............ 0

15 15 15 15

Certificate in Women's Studies

Requirements:
WS-A197 Introduction to Women's Studies (3)
WS-A485 Women's Studies Capstone Course (3)
12 additional hours selected from Women's Studies Courses

The Women's Studies Program at Saint Louis University is an 18-hour Certificate Program. Often the Women's Studies courses can fulfill core requirements as well as the requirements of the Certificate.

Typical Sequence of Courses:

First Semester Second Semester

FRESHMAN
Core Requirement WS-A197

SOPHOMORE
WS-A375 WS-A420
Core Requirement Core Requirement

JUNIOR
Further course work AAM-A490 WS-A390

Women's Studies

Women's Studies is a Certificate Program within the College of Arts and Sciences, educating students in the rapidly expanding academic fields of feminist scholarship which are virtually transforming every academic discipline today. Feminist methodology, feminist teaching, and feminist scholarship shape not only the content of the courses, but also the way the courses are taught, and the methods of research that underlie the content. The curriculum helps students understand themselves and their world better.

Certificate in Women's Studies

Requirements:
WS-A197 Introduction to Women's Studies (3)
WS-A485 Women's Studies Capstone Course (3)
12 additional hours selected from Women's Studies Courses

The Women's Studies Program at Saint Louis University is an 18-hour Certificate Program. Often the Women's Studies courses can fulfill core requirements as well as the requirements of the Certificate.

Typical Sequence of Courses:

First Semester Second Semester

FRESHMAN
Core Requirement WS-A197

SOPHOMORE
WS-A375 WS-A420
Core Requirement Core Requirement

JUNIOR
Further course work AAM-A490 WS-A390
1818 Advanced College Credit Program

Pam A. Mueller, OSU, 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, Saint 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 sixteen disciplines are taught by adjunct instructors and include American Studies, Art, Art History, Biology, Chemistry, English, French, German, History, Latin, Mathematics, Physics, Political Science, Psychology, Russian, Spanish, and Theater.

Students may take ten courses or 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 3 credit hours in the humanities upon successful completion of the course.

For further information, contact the Office of the 1818 Advanced College Credit Program, 3800 Lindell Boulevard, PO Box 56907 or call (314) 977-3142. E-Mail 1818Admin@slu.edu