College of Arts and Sciences
http://www.slu.edu/x12557.xml

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James J. Burwinkel, M. Arch., Associate Dean
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Denise P. Sleet, Ph.D., Assistant Dean

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 seventeen departments. The College is certified by the North Central Association of Colleges and Secondary Schools. The Bachelor of Science degrees in Chemistry and Biochemistry are American Chemical Society certified degrees.

Undergraduate Degrees and Majors Offered

Bachelor of Arts Degrees (B.A.)
American Studies
Biology
Biochemistry
Chemistry
Communication
Communication Sciences and Disorders
Contract Major*
Criminal Justice
Earth & Atmospheric Sciences
  Environmental Science
  Environmental Studies
  Geology
  Meteorology
Economics
English

Fine & Performing Arts
  Art History
  Music
  Studio Art
  Theatre

History
International Studies (Second Major Only)
Mathematics and Computer Science
  Applied Mathematics
  Computer Science
  Mathematics for Teachers
  Pure Mathematics

Modern & Classical Languages
  Classical Humanities
  French Studies
  German Studies
  Greek/Latin Language & Literature
  Italian Studies
  Latin American Studies (Spring 2010)
  Russian Studies
  Spanish Studies

Philosophy
Physics
Political Science
Psychology
Sociology
Theological Studies
Women Studies

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

*See Contract Degree Option Section
Certificate Programs
The following Multidisciplinary Certificate Programs, complementing the undergraduate learning experience, are available in:

African American Studies
Business Administration*
Christian Intellectual Tradition
Classical Humanities
Classical Languages
  Greek or Latin
Clinical Lab Science*
Conservation and Biodiversity
Creative and Professional Writing
Drama Studies
Film Studies
Forensic Science
Foreign Service
General Language Proficiency
  French
  German
  Russian
  Spanish
Global and Local Social Justice – Power, Society, Culture
Health Information Management*
Human Resource Management (Psychology Majors Only)*
Ibero-American Studies
Italian Studies
Language Proficiency: French, German, Russian, Spanish
Latin American Studies (Spring 2010)
Management Information Systems (M.I.S.)*
Marketing (Communication Majors Only)*
Medical Humanities
Medieval Studies
Political Journalism
Russian/East European Studies
Urban Social Analysis
Visual Communication
Women's Studies

*Certificate programs open to Arts and Sciences students housed in the Doisy College of Health Sciences, or the John Cook School of Business. For specific requirements consult catalog information for these schools. Specific Arts and Sciences Certificate Program requirements appear under "Certificate Programs."

Minors
The following minors are available to students in the College of Arts and Sciences (See Arts and Sciences department listings for specific requirements for minors.)

American Studies
Anthropology
Biology
Communication
Communication Sciences
Computer Science
Creative Writing
Criminal Justice
Economics*
Education*
English
Engineering Mathematics
Environmental Science
Fine & Performing Arts
  Art History
  Music
  Studio Art
  Theatre
Geology
History
Mathematics
Meteorology
Modern & Classical Languages
  French
  German
  Greek
  Latin
  Latin American Studies (Spring 2010)
  Russian
  Spanish
Philosophy
Physics
Political Science
Psychology
Public Policy Studies: Urban Affairs*
Social Work*
Sociology
Theological Studies

* Minors open to Arts and Sciences students housed in the John Cook School of Business, the School of Social Work, and the College of Education and Public Service. For specific requirements for minors housed in other academic unites consult catalog information for these schools.
Bachelor's Degrees Requirements
A minimum of 120 hours are required for degree completion. These hours exclude pre-college level courses (numbered below 100), performance based physical education courses, and lower division Military Science 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: 45 - 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
   b. Minor
   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 satisfied any prerequisite(s) for upper division courses in the major;
   c. return a completed declaration/conformation of major form to the Dean’s Office. The application and the student’s record are then submitted to the Major Department and upon acceptance, a departmental mentor 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 satisfied any prerequisite(s) required for upper division courses in the minor or certificate program;
   c. complete an application for the certificate program or minor in the Dean's Office and be accepted by the appropriate department or certificate program director.

To be certified for graduation, a student is required to:
1. have at least a 2.00 cumulative average, 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.
3. enroll in a Senior Inquiry, if required by the major department.
4. enroll in the departmental 495 Senior Residency course (for 0 hours) during the semester in which he or she intends to graduate.
5. complete a degree application in the Dean's Office at the beginning of the semester in which he or she intends to graduate.

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

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

For further information contact the Dean's office, Verhaegen Hall, Second Floor.

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. complete a major confirmation/declaration form for each department.
2. upon acceptance by each department, be assigned two mentors, 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, the major requirements of both fields, and completing the minimum number of hours for degree conferred required by the degree granting school or college.

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

**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 the required Philosophy and the required Theological Studies courses 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's Degree, so as to preserve the unique character of Jesuit Liberal Education.

**Requirements for Bachelor's Degree Applicants with prior Associate of Arts degree:**

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

**Core Curriculum Requirements**

To be a Catholic, Jesuit University is to foster the development of "women and men for others," people who are dedicated to the common good and especially to social justice. The mission of the Core Curriculum of the College of Arts and Sciences of Saint Louis University is to foster the development of effective leaders fully prepared to contribute to society. The mission is accomplished by a curriculum which: develops a broad understanding of ethical and religious principles and their relationship to the moral challenges of everyday life, provides students with practical knowledge and theoretical frameworks to understand and transform the world and address forthrightly the moral questions confronting today's society, develops sensitivity to the points of view of the oppressed and the marginalized, strives to reduce ethnocentric biases and encourages a scholarly perspective on cross-cultural issues, exposes students to different disciplines and their variety of approaches to the quest for knowledge, provides the tools for further learning through courses in the humanities, social sciences, 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 core requirements for a Bachelor of Arts degree include the following. Detailed information can be found at [http://www.slu.edu/x12584.xml](http://www.slu.edu/x12584.xml)

<table>
<thead>
<tr>
<th>Component</th>
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<tr>
<td>Foundations of Discourse</td>
<td>3</td>
</tr>
<tr>
<td>Cultural Diversity</td>
<td>3*</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>0-9</td>
</tr>
<tr>
<td>Fine &amp; Performing Arts</td>
<td>3</td>
</tr>
<tr>
<td>Literature</td>
<td>6</td>
</tr>
<tr>
<td>Science</td>
<td>6</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>World History</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>9</td>
</tr>
<tr>
<td>Theology</td>
<td>9</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
</tr>
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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.
Courses that meet both requirements of the Core Curriculum and a department's or program's requirement for the major, minor, or certificate may be regarded as fulfilling both requirements simultaneously, provided departmental and program policies are preserved. For example, Communication majors may not take Communication courses to fulfill the Social Science core requirement and English majors may not use core literature courses to satisfy the major.

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

The core requirements for a Bachelor of Science degree include the following. Detailed information can be found at [http://www.slu.edu/x12585.xml](http://www.slu.edu/x12585.xml)

<table>
<thead>
<tr>
<th>Component:</th>
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<tbody>
<tr>
<td>Foundations of Discourse</td>
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</tr>
<tr>
<td>Cultural Diversity</td>
<td>3*</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>0-6</td>
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<tr>
<td>Fine &amp; Performing Arts</td>
<td>3</td>
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<tr>
<td>Literature</td>
<td>3</td>
</tr>
<tr>
<td>Science</td>
<td>8</td>
</tr>
<tr>
<td>Mathematics</td>
<td>4-7</td>
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<tr>
<td>World History</td>
<td>6</td>
</tr>
<tr>
<td>Philosophy</td>
<td>6</td>
</tr>
<tr>
<td>Theology</td>
<td>6</td>
</tr>
<tr>
<td>Social Science</td>
<td>6</td>
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<td>48-57</td>
</tr>
</tbody>
</table>

* 45-54 hours are required if the Cultural Diversity requirement is met by a course which also satisfies another Core requirement.

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

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

SPECIAL PROGRAMS

Dual Degree Program in Engineering with Washington University Double Degree and Double Major Programs in Engineering with Parks College

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

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

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

1. The entrance requirements for Washington University:
   At least 60 semester hours of transferable college credit with a minimum average grade of "B" both overall and in science and mathematics. Courses with grades below "C" do not transfer. These must include:
   a. Calculus through differential equations: MATH 142, MATH 143, MATH 244, MATH 351;
   b. One year of physics employing calculus: PHYS 151, PHYS 152, PHYS 153, PHYS 154;
   c. One year of chemistry with laboratory: CHEM 163, CHEM164, CHEM 165, CHEM 166
   d. One course in computer programming such as CSCI 145;

   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 ENGL190, examination scores or college certification.
f. For chemical engineering, a one-year course in organic chemistry: CHEM 342 through CHEM 345

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 of The College of Arts and Sciences as their major department; typically Physics, Chemistry or Mathematics is chosen. Each department has its own requirements which must be fulfilled.