College of Liberal Arts

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College of Liberal Arts

At the heart of every great university is a college encompassing the basic disciplines of knowledge. That college at the University of Minnesota is the College of Liberal Arts (CLA). The college was formally established in 1868, 17 years after the founding of the University. CLA’s mission is to encourage habits of creative and critical thinking, develop analytical skills, and enable undergraduates to study with researchers at the forefront of defining their fields of study. A liberal arts education provides an excellent foundation for graduates entering the ever-changing world of work.

The social sciences, humanities, and fine arts are housed in CLA. Study and research opportunities are available in more than 60 major areas. In addition to strong programs in disciplines, CLA offers interdisciplinary majors such as women’s studies, film studies, and urban studies that draw on the strengths of disciplines and integrate them in new and exciting ways. CLA also offers B.A. degrees in some science programs housed in the Institute of Technology or the College of Biological Sciences. (See the list of majors on page 123 for details.) The B.A. degree may be particularly appropriate for science students who wish to become high school teachers, who would like to pursue careers in scientific writing, or who wish to preserve more flexibility in their programs than the B.S. degree allows.

About 14,200 undergraduate students and about 1,600 graduate students were enrolled in CLA programs in fall 1998. The college is staffed by 500 permanent faculty whose teaching is informed by the most current research in their fields.

As the port of entry to the University for many students, CLA prides itself on its Student Services unit, which offers academic advising and other services. Student Services staff help direct students to the many learning opportunities available within CLA and throughout the University and the Twin Cities.

The degree requirements established by the college give students an education solidly based in the liberal arts. Courses that meet the Twin Cities campus-wide liberal education requirements will introduce students to modes of inquiry and subject matter characteristic of the major branches of knowledge, as well as four themes of particular contemporary relevance: international perspectives, cultural diversity, environmental issues, and citizenship and public ethics. In recognition of the importance of communication and the ability to write, students take several writing courses, including a formal first-year composition or rhetoric course and upper level intensive writing courses. The CLA language requirement helps students become proficient in a second language.

A liberal education means not only a breadth of knowledge, but depth and proficiency in a single field of knowledge. Students select a major field and, as part of the study of that discipline, prepare a major project, usually a paper.

Admission

Prospective Student Services

Preadmission advising and assistance are offered by the University Office of Admissions. If students would like to visit the campus and talk about plans for study at the University, they should contact the Office of Admissions, University of Minnesota, 240 Williamson Hall, 231 Pillsbury Drive S.E., Minneapolis, MN 55455 (612/625-2008, <admissions.tc.umn.edu>). Admissions advisers will answer questions, provide information, and arrange meetings with faculty. The Office of Admissions schedules campus tours and information meetings for freshmen. Please call two weeks in advance, if possible.

Enrollment Limits—The University of Minnesota has approved enrollment limits for the Twin Cities campus. To remain within those limits, CLA must limit the number of new students it admits. If the college exceeds its enrollment limit, there will be inadequate funding to meet the educational needs of its students. The college will admit as many qualified students as possible without exceeding its projected enrollment limit.

Application Procedures

New Freshman and Freshman Transfer Admission

High school graduates with no previous college work enter as new freshmen. High school graduates who have completed less than one year of college work (fewer than 39 quarter or 26 semester credits) also enter as freshmen. All freshman applicants are considered for admission on the basis of high school rank, satisfaction of preparation requirements, any college courses and grades, and scores on college entrance tests. See “Freshman Admission” in the General Information section of this catalog.

A strong pattern of college preparatory coursework throughout high school may enhance students’ admissibility. Students who do not continue such a pattern of coursework through grade 12 may compromise their chances of admission, particularly if they are in the “individual review” category.

In addition to preparation requirements, the basic criterion for admission has been an index that combines high school rank percentile and standardized test scores. In fall 1997, 82 percent of CLA freshmen had high school rank percentiles of 70 or higher. The mean high school rank was 80 percent. The mean ACT composite score was 24.6. The mean SAT verbal score was 589 and mean SAT math score was 586. Applicants are not guaranteed admission even if they match or exceed some or all of these score levels.

Honors Program Admission

For admission to the honors program, students must be admitted to CLA through the regular application procedure described for new freshmen or new transfer students. Students may be admitted to the honors program when they first enroll in the college or transfer to the program at any time provided they have at least three semesters remaining before graduation (ordinarily before 75 credits are completed). A 3.50 GPA is required for admission. Students with 90 or more quarter or 60 or more semester completed degree credits also must be endorsed by the honors faculty representative in their major department. Applications from CLA and transfer
Students are accepted throughout the year. For information about application procedures, consult the CLA Honors Division, University of Minnesota, 115 Johnston Hall, 101 Pleasant Street S.E., Minneapolis, MN 55455 (612/624-5522, <http://cla.umn.edu/honors/>).

**CLA Honors Student Information**

For admission to the Martin Luther King (MLK) Program, students must be admitted to CLA through the regular application procedure described for new freshmen or new transfer students. Students should indicate interest in the MLK Program on their application. For currently enrolled or returning students, information regarding the MLK Program may be obtained in 19 Johnston Hall (612/625-2300, <www.mlk.umn.edu>).

**Adult Special/Postbaccalaureate Admission**

If students are interested in enrolling in CLA courses but not in earning a CLA degree, they may wish to consider enrollment opportunities available through University College, 101 Wesbrook Hall, 77 Pleasant Street S.E., Minneapolis, MN 55455 (612/625-3333).

Advising services for CLA adult special students are available in 114 Johnston Hall (612/624-4545). Advisers aid in planning programs to suit students’ outside demands and in selecting coursework to take fullest advantage of the college’s resources.

### Orientation

New students must participate in a CLA orientation program before their first semester of enrollment. College faculty and staff, together with staff from the University’s New Student Programs Office, introduce students to resources and services of the University and college. College advisers meet with students in groups and individually to explain degree requirements, answer questions, and work out initial registration for courses. Students also receive help using electronic self-registration. Orientations are scheduled up to three months before the start of the semester for which students are admitted.

New students receive their scheduled orientation date by mail, along with a variety of planning resources. Before students come to campus, they should use this information to identify various majors of interest, clarify their goals for the first semester, and consider which on-campus activities they may want to be involved in. When students come to campus they receive a CLA New Student Handbook or, if they are transfer students with a declared major, a CLA Graduation Handbook. Both handbooks contain details about registration, course selection, transfer of credits, and college services; these handbooks are to be used in conjunction with this catalog. Students who have questions about college procedures between the time they are admitted and when they enroll should contact the CLA Student Information Office, 49 Johnston Hall (612/625-2020).

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** Degrees/Majors**

CLA offers five bachelor’s degrees—bachelor of arts (B.A.), bachelor of fine arts (B.F.A.), bachelor of science (B.S.), bachelor of individualized studies (B.I.S.), and bachelor of music (B.M.).

If students are making satisfactory academic progress, they generally are free to select the major and minor of their choice. Some programs, however, limit the number of majors admitted. See the program descriptions below for more information.

**Bachelor of Arts Degree**—This degree can be earned through majors in most CLA departments and programs. Its breadth and diversity in general education make it valuable as a base for many kinds of careers or advanced study. CLA offers several professional majors and specializations as well as interdepartmental programs for the B.A.

**Bachelor of Fine Arts Degree**—The Department of Art and the Dance Program offer the B.F.A. for students who demonstrate superior professional promise. Information about program admission and degree requirements can be obtained from the appropriate department office.

**Bachelor of Science Degree**—The B.S. degree is offered in five areas: child psychology, economics, geography, sociology, and urban studies. The B.S. provides a more specialized concentration than the B.A.

**Bachelor of Individualized Studies Degree**—To earn this degree, students propose an individualized program of study composed of three areas of concentration based on their personal academic objectives. Proposals must be evaluated and approved by three faculty advisers.

**Bachelor of Music Degree**—The School of Music offers the B.M. degree for students who demonstrate superior professional promise in performance, music education, and music therapy.

**CLA Degrees Earned Concurrently With Other University of Minnesota Degrees**—If students transfer to another college on the Twin Cities campus, they may complete their CLA degree by finishing all CLA degree requirements while pursuing degree work in their new college. Students should contact their college office for more information.

**Second Degrees, Second Majors, Minors**—If students have earned a bachelor’s degree at another institution, they may earn a CLA bachelor’s degree with a different major by completing all degree requirements, including 30 CLA semester credits. If students are CLA graduates or in the process of earning a CLA degree, they may earn a different CLA bachelor’s degree by completing 30 additional CLA credits and meeting all requirements for the second degree. If students are CLA graduates and interested in completing requirements for a second major, but not for a second bachelor’s degree in the college, they may complete requirements for another major and have that accomplishment recorded on their official transcript. In addition, students in other colleges may earn majors or minors in CLA.

**CLA Majors**

Candidates for all CLA degrees except the B.I.S. must complete a major to gain depth of understanding in an area of study. More than 60 majors are offered in the college. Requirements change from time to time. Check with the undergraduate studies office in the major department for current information.
CLA offers major and minor programs in the following subjects.

<table>
<thead>
<tr>
<th>MAJORS</th>
<th>MINORS</th>
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<tbody>
<tr>
<td>African and Afro-American studies</td>
<td>European area studies</td>
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<tr>
<td>American Indian studies</td>
<td>Film studies</td>
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<tr>
<td>American studies</td>
<td>French</td>
</tr>
<tr>
<td>Ancient Near Eastern studies (major only)</td>
<td>French and Italian (major only)</td>
</tr>
<tr>
<td>Anthropology</td>
<td>Geography</td>
</tr>
<tr>
<td>Architecture</td>
<td>Geology and geophysics</td>
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<tr>
<td>Art (major only)</td>
<td>German</td>
</tr>
<tr>
<td>Art history</td>
<td>Greek</td>
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<tr>
<td>Astronomy</td>
<td>Hebrew</td>
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<tr>
<td>Biology</td>
<td>History</td>
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<tr>
<td>Chemistry</td>
<td>Individualized studies (major only)</td>
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<tr>
<td>Chicano studies</td>
<td>Interdepartmental major (major only)</td>
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<tr>
<td>Child psychology</td>
<td>International relations (major only)</td>
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<tr>
<td>Chinese</td>
<td>Italian</td>
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<tr>
<td>Classical civilization</td>
<td>Japanese</td>
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<tr>
<td>Computer science</td>
<td>Jewish studies</td>
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<tr>
<td>Cultural studies and comparative literature</td>
<td>Journalism</td>
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<td>Dance</td>
<td>Latin</td>
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<td>East Asian studies</td>
<td>Latin American studies</td>
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<tr>
<td>Economics</td>
<td>Linguistics</td>
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<tr>
<td>English</td>
<td>Mathematics</td>
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<td>Microbiology (major only)</td>
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CLA offers additional minor programs in the following subjects.

<table>
<thead>
<tr>
<th>MAJORS</th>
<th>MINORS</th>
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<tbody>
<tr>
<td>Biblical studies</td>
<td>Architecture</td>
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<tr>
<td>Dutch</td>
<td>Dental hygiene</td>
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<tr>
<td>Environmental geosciences</td>
<td>Dentistry</td>
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<tr>
<td>Foreign studies</td>
<td>Education</td>
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<tr>
<td>History of medicine</td>
<td>Law</td>
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<tr>
<td>History of science and technology</td>
<td>Management</td>
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<tr>
<td>Humanities in the West</td>
<td>Medical technology</td>
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<td></td>
<td>Medicine</td>
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<td></td>
<td>Mortuary science</td>
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</table>

Students may prepare in CLA for the following professional programs (preparation for these involves one to four years of study in CLA).

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<thead>
<tr>
<th>MAJORS</th>
<th>MINORS</th>
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<tbody>
<tr>
<td>Architecture</td>
<td>Nursing</td>
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<tr>
<td>Dental hygiene</td>
<td>Occupational therapy</td>
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<tr>
<td>Dentistry</td>
<td>Pharmacy</td>
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<tr>
<td>Education</td>
<td>Physical therapy</td>
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<tr>
<td>Law</td>
<td>Public affairs</td>
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<tr>
<td>Management</td>
<td>Public health</td>
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<tr>
<td>Medical technology</td>
<td>Recreation, park, and leisure studies</td>
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<tr>
<td>Medicine</td>
<td>Veterinary studies</td>
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<tr>
<td>Mortuary science</td>
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**Major Requirements**

**Major Status**—Majors are programs of concentration. Each represents the judgment of its department about appropriate study of the discipline at the undergraduate level. Individual major programs may be modified by the department or students’ major adviser. Admission to major status in some CLA degree programs requires department permission. See below and “Degree Programs” for more information on specific degree programs.

**Required Preparatory Courses**—Most major programs require preparatory or background courses that qualify students to enter advanced major work. Many of them satisfy general education requirements. See individual program listings for required preparatory courses.

**Major Project**—CLA requires that students complete a major project. The project demonstrates analytic and conceptual skills as well as an understanding of the mode of inquiry characteristic of the discipline. For most majors, the format of the project is a paper.

**Outside-of-Major Requirement**—B.A. programs must include at least 18 3xxx, 4xxx, and 5xxx credits outside the major department. Heavy concentration in a major field that limits breadth of learning may defeat the basic purpose of a liberal education, which encompasses breadth as well as depth of knowledge. Established and individualized interdepartmental majors listed below are exempt from this requirement.

**Established Interdepartmental Majors**—These majors are offered in African studies, American studies, classical civilization, East Asian studies, European studies, international relations, Jewish studies, Latin American studies, South Asian and Middle Eastern area studies, Russian area studies, urban studies, and women’s studies. Requirements are detailed under the major offerings. These majors may be modified in individual cases. Such majors do not require 18 3xxx, 4xxx, and 5xxx credits outside the major department.

**Individually Designed Interdepartmental Major**—The I.D.I.M. allows students to design a unique program with an interdisciplinary theme or focus tailored to their individual academic interests. It requires approval by the Individualized Programs Office, 345 Fraser Hall, and three faculty advisers. The major combines coursework from three or more CLA departments. A senior project is required to integrate the areas of concentration.

**Bachelor of Individualized Studies**—If students seek an even broader program of study than the I.D.I.M., they may wish to consider the B.I.S. degree. For this degree, students design an individualized program of 50 credits that must be evaluated and approved by three faculty advisers. The program must have coherence based on stated academic objectives. This program has much in common with the I.D.I.M.—student initiative in proposing courses, close contact with faculty advisers, highly individualized programs. It differs from the I.D.I.M. in permitting multiple educational objectives rather than a single theme or concentration, and in allowing more coursework outside the college, provided it is relevant to students’ objectives and approved by their advisers. The Bachelor of Individualized Studies Office is in 345 Fraser Hall.

**Double Major**—Students may earn a double major by completing background and major requirements for two areas of concentration in addition to other degree requirements. They should usually declare a double-major program by the beginning of their senior year but should start completing basic requirements earlier. If students have a double major, they need not meet the B.A. requirement of 18 3xxx, 4xxx, and 5xxx credits outside the major. Students pursuing a double major are urged to consult with both departments about a possible joint major project.
Minor

A minor is an approved concentration of 14 or more 2xxx, 3xxx, 4xxx, and 5xxx credits in a single department or program. It is not a requirement for graduation, but is an option for all students.

Honors Division

—115 Johnston Hall, 612/624-5522

The CLA honors division offers freshman/sophomore and junior/senior honors programs to intellectually promising and highly motivated students. Its purpose is to broaden the scope of student learning, encourage full use of student potential, and recognize student accomplishments. Among its offerings are honors courses, small discussion groups for freshmen and sophomores, seminars for juniors and seniors, special advisers, departmental honors plans, and opportunities for advanced research and individual study.

Graduation With Honors—Enrollment in the honors program is required for graduation with the traditional honors designations cum laude, magna cum laude, and summa cum laude. Other graduation criteria include University of Minnesota residence, a grade point average (GPA) of at least 3.50, participation in four honors opportunities, in some instances fulfillment of requirements designated for the major field, and, for summa cum laude, an honors thesis. Some departments also require honors theses for cum laude and magna cum laude degrees. Students must complete the honors requirements for their degree within two years of the semester in which they apply for graduation.

Honors Courses—Honors courses or special honors sections of regular courses are often small in size and taught by selected teachers. Although grading standards are comparable to those of other courses, topics and materials are approached in greater depth. These courses are designated by the word “Honors” in the course title.

Honors Colloquia—These seminar-size discussion groups are led by faculty or advanced graduate students. They are open to all honors freshmen and sophomores. Topics change each semester and vigorous student participation is the norm. Field trips and other special learning methods often characterize the colloquia. They carry credit, but because new topics and hours are selected each semester, they are not listed in this catalog. A list of topics is available in the Honors Program Office.

Honors Seminars—These seminars are open to honors program students who have completed 90 quarter or 60 semester credits (other applicants are sometimes admitted when class space permits). In contrast to departmental honors course offerings, which emphasize depth of learning within fields, honors seminars serve the interests of students of high ability but with little background in the subject field. The seminars cover a wide range of topics, often of an interdisciplinary character, and deal with problems and ideas not treated in the regular curricular offerings of the college. Topics are specified in the Class Schedule and descriptions are available in the Honors Program Office.

Freshman-Sophomore Honors Program—Honors students who have earned fewer than 90 quarter or 60 semester credits may participate in a program that provides certain educational opportunities: special faculty advisers, special library loan privileges, and assistance by the Honors Program staff in making a variety of premajor decisions. There are honors opportunities both for students who will seek a CLA degree and for preprofessional students who will complete their degrees outside of CLA. Freshmen and sophomores are strongly encouraged to complete at least two honors courses per year. Students who complete three honors opportunities and earn a 3.50 GPA in their freshman and sophomore years receive a certificate and a notation on their transcript.

Junior-Senior Honors Program—If students have completed 90 quarter or 60 semester credits and declared their major, they may participate in the honors curriculum in their major field as well as in a variety of academic opportunities, including honors seminars. Students are assisted in scholarship and fellowship matters, especially in preparation for graduate work, and have access to experienced counsel about graduate and professional study. When undertaking a research project, they have special library privileges. Grants are available to help them meet project costs.

Continuation in Honors—The academic progress of honors students is reviewed annually. Students whose grades fall below the level necessary to graduate with honors may be denied continuation in the program.

Departmental Honors Curricula—Most CLA departments provide special honors opportunities for which students must meet special requirements. Information about these offerings as well as about graduation with honors may be obtained from department or program offices or from the Honors Program Office.

Honors Program Office—College records for honors students are kept in 115 Johnston Hall. The office also provides academic advising, procedural information, and other college office services to honors students.

Policies

Scholastic Standing—The Student Scholastic Standing Committee, comprised of administrators and college office staff, interprets and enforces college and University regulations relating to academic affairs. It handles requests for exceptions to registration policies and procedures, transfer of credit policies, and some degree requirements. The committee administers the college’s probation system, monitoring students’ performance and dealing with questions of probation, suspension, and readmission.

The committee seeks to maintain the spirit of the college’s regulations as flexibly as possible and is empowered to make exceptions in cases in which regulations work to students’ educational disadvantage.

Students are urged to consult a committee representative in their college office concerning almost any kind of problem, but especially those they think interfere with their ability to attain their academic objectives. Well-established petition and appeal procedures assure full review of student requests.

Repetition of High School Work—In CLA, students normally enroll for mathematics and second language courses for which high school work and the language proficiency test make them eligible. If students think they are not prepared to continue at such a level, they should consult their college office adviser about appropriate placement and course selection.

Second language credit may be earned by completing a higher-level first- or second-year skills course with a grade of at least C- and requesting that credit be posted from previous courses. If students received college credit for equivalent language skills courses at another institution, they may not receive retroactive credit for this. Students should consult their college office about testing for credit.
Late Cancellation—CLA students may receive one discretionary course cancellation after the cancellation deadline but before study day. This discretionary cancellation may be used only once during a student’s enrollment at the University. Other late cancellations are approved by the Student Scholastic Standing Committee only when verified extenuating circumstances that prevent a student from completing a course arise after the cancellation deadline. Any cancellation, discretionary or otherwise, after the cancellation deadline must be requested by written petition in the student’s college advising office.

Leaving College—To leave the University during a semester, students must cancel all courses for which they are registered. Complete (“exit”) cancellation can be processed through the last day of classes (or through study day, if it is a weekday). CLA students who plan to withdraw from all courses for a semester or not register for a subsequent semester, whether to leave the college permanently or take a temporary leave of absence, must submit to their college office a Leave of Absence form. Students who withdraw without receiving an approved leave of absence may be required to reapply for admission. Information about these procedures is available in college advising offices and the CLA Student Information Office, 49 Johnston Hall (612/625-2020).

Reentry After an Absence—Students who wish to return after an absence should contact the CLA Student Information Office, 49 Johnston Hall, for information at least 12 weeks before the term they wish to return. Students in good academic standing may return freely within the terms of an approved leave of absence. Students without an approved leave of absence may be required to reapply for admission to the college.

Scholastic Conduct—CLA faculty may act on cases involving CLA students in their classes; such action may not exceed modification of a course grade. Instructors must report any action to the conduct committee, and the student is informed of the right to ask for a committee hearing. For information on report and appeal procedures, call the CLA Student Services assistant dean’s office (612/625-3846).

Retention of Student Records—Official transcripts are maintained permanently by the Office of the Registrar. The college retains for 10 years the college files of upper division students who left CLA after earning 100 quarter college credits; college files of students who applied for graduation but did not graduate and of students who had filed a degree program plan (senior summary or balance sheet) are kept indefinitely. Student records of graduates are kept for two years following graduation.

In preparation for graduate school, students may store recommendations in permanent credential files, which are kept in the Office for Special Learning Opportunities.

Graduation Requirements

General Credit Requirements

Credit Requirements—A minimum of 120 credits acceptable to the college are required for all CLA bachelor’s degrees; 48 of these credits must be in 3xx, 4xx, and 5xx courses. All credits earned with grades of A, B, or C and a restricted number earned with grades of S or D are acceptable.

To earn a CLA degree, students must earn at least 30 credits from CLA departments. At least half of the CLA credits applied toward the degree (never fewer than 30) must be graded A-B-C. Students must also complete 20 of their last 30 credits with University of Minnesota, Twin Cities coursework. Credits earned by examination may not be applied toward the required 30 CLA credits.

A total of 6 semester credits in applied music, physical education, and study skills courses may be applied toward the degree. Credits from typing, word processing, shorthand, first aid, and courses clearly remedial or vocational in nature may not be applied toward any credit requirements.

Degree Requirements After an Absence—If students have not attended CLA for more than two years, they must fulfill current graduation requirements.

If less than two years have passed since students last attended CLA, they are under the requirements applicable to them before their absence.

Liberal Education Requirements

The liberal education curriculum that applies to students’ degree programs depends on the date they are admitted to CLA.

Twin Cities Campus Liberal Education Curriculum—The University of Minnesota, Twin Cities liberal education requirements apply to all students entering a baccalaureate degree program in fall quarter 1996 and later. If students entered a degree program before fall 1996 and are uncertain whether or not the liberal education requirements apply, they should check with their academic adviser. See the Policies section of this catalog for a description of the liberal education curriculum.

Second Language Requirement

The study of a second language is considered essential for a liberal education. CLA expects students to have begun second language study in high school or earlier.

In many cases, knowledge of a second language gained before entering CLA may be used to meet part or all of the language requirement. If students are unsure about their level of proficiency, they should consult their adviser or the language department for placement assistance. Normally, one to two years of high school language study equals one semester of college study.

Qualified students may meet part or all of the entrance and graduation requirements by passing examinations arranged with appropriate departments. (These proficiency examinations do not yield college credits.)

No credit is granted for first- or second-year courses in a student’s primary language of secondary school instruction. Eligible students who complete a Twin Cities campus language sequence course with a grade of C- may request to have credits for preceding courses in the sequence posted retroactively if they have not already received college credit for equivalent courses at another institution.

Students planning on the B.A. degree should study a language for three years in high school.

CLA Entrance Requirement—All B.A., B.F.A., and B.I.S. students who wish to register for French, German, or Spanish courses beyond the second semester must pass the appropriate entrance proficiency examination. Students who meet the entrance requirement may continue their study at higher levels in the same language or may begin study in another language. Contact the appropriate language department for testing and placement information.
Advising

College advisers in academic departments and college offices offer students individual help in planning their studies and meeting other concerns they might have about college life. Students are assigned to a college advising office for assistance with course selection, registration, vocational and personal decisions, financial problems, and involvement in campus activities. First-year students are expected to meet with their adviser each semester. After choosing a major and attaining sophomore standing, students are assigned two advisers: one in their major department (whom they usually retain until graduation); and one in their college office who has access to their college records, which move with students from their department (whom they usually retain until graduation); and one in their college office who has access to their college records, which move with students from their major department, advising coordinator, or computerized degree audit. Students should expect both support and challenge from their adviser.

CLA Student Services Offices

Students’ college records are kept in their assigned college office; this office provides advising services and procedural information. The offices are:

Premajor Advising—For first-year, preprofessional, and continuing students who have not declared majors; <www.cla.umn.edu/advising/premajor.htm>

105 Johnston Hall (612/624-9077)—premajor advising coordinator

30 Johnston Hall (612/624-9006)—mathematics and biological and physical science premajors; preprofessional students interested in health sciences and engineering; students exploring health sciences, applied sciences, and technology

B-18 Johnston Hall (612/624-9585)—social sciences, humanities, and fine arts premajors; preprofessional students interested in management and education; students exploring social sciences, humanities, and fine arts majors

Upper Division Advising—For sophomores, juniors, and seniors who have chosen majors, and designated special programs; <www.cla.umn.edu/advising/advising_offices/ud_adv/ad_home.htm>

East Bank majors—114 Johnston Hall (612/624-4545)

West Bank majors—122 Social Sciences Building (612/624-5848)

Advising for Special Programs

Adult Special: Nondegree Students—114 Johnston Hall (612/624-4545) <www.cla.umn.edu/advising/new_st/ad_spec_adv.htm>

Honors Division—115 Johnston Hall (612/624-5522) <cla.umn.edu/honors/>

Martin Luther King Program—19 Johnston Hall (612/625-2300) <www.mlk.umn.edu/>

The Martin Luther King Program provides advising, support services, and instruction through tutorials, introductory course sections, support groups, computerized instruction, study skills workshops, and career seminars. Students enrolled in the program are encouraged to maximize their potential through educationally enriching learning experiences.

Special Learning Opportunities and Resources

Office for Special Learning Opportunities (OSLO)

—220 Johnston Hall and 345 Fraser Hall, 612/624-7577, <www.oslo.umn.edu/>

OSLO coordinates career services, internships, and community involvement opportunities for CLA students and assists them with independent and directed study options. OSLO administers various other programs such as the National Student Exchange, two programs of the Higher Education Consortium for Urban Affairs (HECUA), and student participation in other domestic study programs.

Internships—Internships are an important vehicle for exploring questions and issues raised in the classroom. They allow students to gain experience in a particular field and learn more about possible career alternatives. Internships are available in all fields of study. Some are paid and others are volunteer opportunities. Internships are available in government, business, human services, science and technology, health care, ecology, education, the arts, broadcasting, and publishing.

Academic credit for learning acquired through internship experiences is available through several CLA departments, including some of the courses available under the Interdepartmental Study (ID) designator. Some financial support is available from the CLA Internship Grant Program, which funds students doing otherwise unpaid internships in the community. See an OSLO adviser for information on both credit and the grant program.

Community Involvement Programs—Many students participate in community involvement programs that focus on youth tutoring, English-as-a-second-language tutoring, housing issues, and a variety of other community concerns. These programs offer students the opportunity to gain valuable experience (with the option of earning college credit) while helping to make a difference in the community. For example, Project ADAPT (Appreciating Differences Among People and Things) allows students to earn credit while sharing their intercultural experiences with public school children.
FLAC and FLIP

Foreign Languages Across the Curriculum (FLAC) — FLAC allows students to apply their knowledge of a second language to the study of a particular discipline. FLAC courses attach a one credit language “trailer” to an existing course. In addition to regular English language coursework, students participate in a section meeting conducted in a second language.

Foreign Language Immersion Program (FLIP)—FLIP gives students an opportunity to strengthen their language skills in French, German, or Spanish by offering courses taught entirely in a second language. FLIP students can experience immersion by carrying an entire semester course load (typically 15 credits) in French, German, or Spanish. Alternatively, students may elect to enroll in only a portion of the FLIP.

For further information about FLAC or FLIP, please contact the Institute of Global Studies at 624-9007.

Special Achievement

Each semester, the college publicly recognizes superior academic performance through transcript memoranda, notices posted on the first floor of Johnston Hall, and announcements to academic departments.

To appear on the Dean’s List, students must complete at least 12 credits and earn a semester GPA of at least 3.67.

To be recognized as a CLA Scholar, students must complete at least 15 credits and earn a semester GPA of at least 3.75 with no N grades.

University College registrations are included in assigning these honors. If students believe they qualify for either list but are not included, they should consult the staff in 106 Johnston Hall (612/625-3824).

International Programs

CLA credit for study abroad may be earned through independent study or a variety of formal programs. See information on study abroad options in the General Information section of this catalog or contact Global Campus (102 Nicholson Hall, 612/626-9000).

Career Information

Career services are provided by the Office for Special Learning Opportunities (220 Johnston Hall and 345 Fraser Hall, 612/624-7577).

Career Services—The skills and experience for developing and later managing a career need to be learned while students are in school. CLA provides assistance to current students and alumni in relating academic interests to career options, identifying career goals, and learning effective job-hunting skills. CLA emphasizes involvement in the kinds of experience students will need to be competitive in the work world of the 21st century.

OSLO provides workshops and individual assistance on résumé writing, interviewing, job-hunting, and networking; courses on career exploration and strategic career planning; a career resource center offering computer access and reference materials for occupation and company research, and World Wide Web and other on-line career resources; and an annual career day. Students are encouraged to use these services and resources throughout their college career and afterward.

Graduate and Professional School Assistance—Many CLA graduates choose to attend graduate or professional schools. OSLO provides an annual graduate and professional school fair, workshops on how to apply for graduate study and other topics, graduate school information, prelaw advising, and graduate and professional school credential files for students actively involved in the application process.

Student Organization

Student Board

—320 Walter Library, 612/626-0348, clasb@tc.umn.edu, <www.tc.umn.edu/nlhome/g159/clasb/>

The College of Liberal Arts Student Board (CLA-SB) is the college’s student governance body. The board is the official channel through which recommendations from the CLA student body are brought to the college.

CLA-SB also represents students with seats on many committees and deals with nomination or election of students to seats on many others. These governing councils and committees collectively deal with virtually all aspects of CLA policy.

One primary responsibility of CLA-SB is to maintain contact with department student organizations.

All students are encouraged to participate in the operations of the board and to contribute to decisions affecting the college. The board is composed of elected and appointed members. The board recognizes and practices affirmative action.
CLA offers more than 60 majors and preparation for 16 professional degree programs.
College of Liberal Arts

Afro-American and African Studies

Department of Afro-American and African Studies

B.A.

This major offers four curriculum tracks. Students choose one track and usually select a concentration such as public policy/development studies, literature and the arts, or a more traditional disciplinary focus. The integrated studies of African people track focuses on African peoples and cultures of Africa and the western hemisphere. The Afro-American studies track provides a comprehensive knowledge of Afro-American history, psycho-social issues, and culture. The African studies track focuses on the history, social sciences, and cultures of Africa. The Arabic-Islamic Africa track focuses on the Arabic language and the history and culture of Islamic Africa. All four tracks encourage students to study a language related to Africa and to take advantage of opportunities to study and work there.

Admission Requirements—Depending on their chosen track, all students complete Afro 1011—Introduction to Afro-American Studies or Afro 1021—Introduction to Africa.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including at least 30 credits in the major.

Students complete 30-36 3xxx, 4xxx, or 5xxx credits, including a 3xxx, 4xxx, or 5xxx statistics or methods course approved by the undergraduate adviser; sequences in Afro-American history and/or African history; 15 credits in group concentration and breadth requirements; at least 3 credits from a course that examines gender issues; one 4xxx or 5xxx level seminar or seminar; and a senior paper. Students may receive a maximum of 6 credits toward the major for approved domestic or foreign internships. Specific requirements vary depending on selected track. Consult the student handbook of the Department of Afro-American and African Studies for details. Students selecting this major must consult with the undergraduate adviser to establish an approved program.

Language Requirements

CLA language requirement must be met in one of the following languages: French, German, Dutch, Portuguese, Spanish, Arabic, Swahili. For the Arab-Islamic Africa track, six semesters of Arabic are required.

Final Project

An approved senior thesis represents the culmination of a student’s degree program and should develop from the concentration defined by earlier coursework. Students work with a selected faculty member over two semesters. Annotated bibliography and thesis statement should be completed by the end of the first semester, and a final draft completed midway through the second term. The final paper must be submitted on bond paper to the undergraduate adviser for inclusion in the department’s collection. Students register for Afro 3991-3992—Senior Paper.

Minor Requirements

Students must satisfactorily complete 18 credits from 3xxx, 4xxx, or 5xxx courses. No more than 4 credits may be credited toward the minor for language study, and no more than 3 credits may be accepted from directed/ independent study or from courses taken S-N. For approved internships students may receive up to 3 credits toward the minor.

American Indian Studies

Department of American Indian Studies

B.A.

American Indian studies provides a multidisciplinary understanding of the history and present situation of the native peoples of the United States and Canada. The program emphasizes the interrelations among history, culture, language, literature, the arts, philosophy, religion, political and social forces, and the legal status and sovereignty of Indian nations. Two tracks in the major (language focus and non-language focus) and a minor are offered.

Admission Requirements—Students take Amln 1001—Introduction to American Indian Studies.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including Amln 1001—Introduction to American Indian Studies and at least 30 additional credits in the major. Both language and non-language focus students must take courses from Group 2: Tribal Arts and Humanities, Group 3: Culture and History, and Group 4: Political and Social Issues. All students must also complete a senior project.

Required Courses

Language Focus

Four-course (16 credits) sequence in Dakota (Amln 1101-1102-3103-3104) or Ojibwe (Amln 1121-1122-3123-3124) language

At least 18 more credits, including at least 3 credits from each of the following:

Group 2—Amln 3201, 3301, 3401, 4201, 4402
Group 3—Amln 3701, 3711, 3871, 3872, 3876, 4721
Group 4—Amln 4501, 4511, 4515

Non-Language Focus

At least 30 credits, including at least 6 credits from each of the following:

Group 2—Amln 3201, 3301, 3401, 4201, 4402
Group 3—Amln 3701, 3711, 3871, 3872, 3876, 4721
Group 4—Amln 4501, 4511, 4515

Final Project

The CLA senior project requirement may be satisfied by any one of the following courses: Amln 4991, 4994, or 4996.

Minor Requirements

Students take Amln 1001—Introduction to American Indian Studies and at least 15 upper division credits approved by the department adviser, including at least 3 credits from each of the following:

Group 2—Amln 3201, 3301, 3401, 4201, 4402
Group 3—Amln 3701, 3711, 3871, 3872, 3876, 4721
Group 4—Amln 4501, 4511, 4515
American Studies

Program in American Studies

B.A.
American studies is the interdisciplinary study of American culture(s). Students study U.S. cultures and their interactions and explore the major issues and problems of American society by examining the arts, history, politics, and literature of the diverse peoples of the United States.

Admission Requirements—Students take two of the following background courses: AmSt 1001, 1002, 3111, or 3113.

Degree Requirements
To complete the B.A., students must complete at least 120 credits. A minimum of 39 of these credits must include courses in American studies, literature, history, and an additional area of American society plus one course in world cultures. Four courses within this major sequence must be concerned with ethnic or women’s studies.

Required Courses
AmSt 3299—Junior Proseminar
AmSt 3301-3302—Senior Proseminar

Electives—These courses are chosen by the student in consultation with the undergraduate adviser. Many courses in a variety of departments are possible, but the student is expected to choose courses forming a coherent course of study, including one course at the 3xxx level or above that focuses on a non-U.S. culture or society.

Final Project
All seniors must complete a thesis written in conjunction with the senior proseminar (AmSt 3301-3302). Some internships may be used to satisfy major requirements.

Minor Requirements
Students take at least 15 credits of American studies courses. All courses must be at the 3xxx level or above, with a grade of C- or better.

Ancient Near Eastern Studies

Department of Classical and Near Eastern Studies

B.A.
The study of the ancient Near East is the study of the civilizations of ancient Mesopotamia, Syria, Israel, Egypt, and Persia. Students study the languages, literatures, and material remains of the great civilizations of the fertile crescent that have made lasting contributions in law, religion, myth, monumental architecture, art, and the sciences.

Admission Requirements—Students intending to major in ancient Near Eastern studies are required to complete Afro 3102—Intermediate Arabic II or Hebr 3012—Intermediate Hebrew II with a grade of B or better.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 31 credits in the major in the areas of anthropology, archaeology, art history, linguistics, literature, and a Near Eastern language and complete a major project.

Required Courses

Linguistics
Ling 3001—Introduction to Linguistics
Ling 3061—Introduction to Historical Linguistics

Social Sciences (two courses from the following)
AnSt 3001, 3009, 3011

Art History and Archaeology
Clas 3008—History of Ancient Art
Clas 3088 or 3089—Archaeology in Biblical Lands
ArtH 3142—Art of Egypt

Electives—At least 12 credits

Intermediate Method and Theory Courses
Archaeology students: Anth 3001—Introduction to Archaeology
Sociocultural anthropology students: Anth 3003—Cultural Anthropology

Anthropology

Department of Anthropology

B.A.
Anthropology is the study of human societies and cultures, past and present. Anthropologists are particularly interested in the connections between pervasive cultural forms and social institutions on the one hand, and the experience of everyday life on the other. Anthropological study encourages critical perspectives on one’s own social forms and cultural assumptions, and on forms of difference that cut across societies and cultures.

Admission Requirements—Students must have completed both Anth 1001—Human Origins and Anth 1003—Understanding Cultures with a C- or better.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 30 credits in the major. In general, all students take introductory-level courses in both sociocultural anthropology and archaeology. Students wishing to concentrate in sociocultural anthropology take an intermediate-level and advanced course in method and theory in sociocultural anthropology; archaeology students take an intermediate-level and advanced-level course in archaeological theory and methods. All students take either a senior seminar, for which they write a substantial research paper, or an individualized senior research project carried out under the supervision of a faculty member. All students take four electives, one in each of the following three areas: advanced approaches (theoretical and methodological approaches); ethnography and regional studies; and institutions and issues.

Required Courses

Introductory Courses
Anth 1001—Human Origins
and Anth 1003—Understanding Cultures
or Anth 1011—Human Origins (Honors)
and Anth 1013—Understanding Cultures (Honors)

Intermediate Method and Theory Courses
Archaeology students: Anth 3001—Introduction to Archaeology
Sociocultural anthropology students: Anth 3003—Cultural Anthropology
Advanced Method and Theory Courses
Archaeology students: Anth 4001—Advanced Method and Theory in Archaeology
or Anth 4990—Topics in Archaeology: Seminar, as approved by the director of undergraduate studies
Sociocultural anthropology students: Anth 4003—Contemporary Perspectives in Cultural Anthropology

Senior Seminar/Project
Anth 4011—Senior Seminar
or Anth 4013—Senior Project
Anth 4013 is required for honors students; other seniors can choose between the two.

Anthropology Electives
Four courses; at least one from each of the following three categories—
Advanced approaches—Anth 3005, 3007, 3009, 3221, 3310, 4015, 4019, 4021, 4023, 4025, 4029, 4031, 4033, 4035
Ethnographic and regional studies—Anth 3010, 3011, 3013, 3017, 3019, 3020, 3022, 3025, 3027, 3029, 3031, 4043, 4045, 4047
Institutions and issues—Anth 3041, 3043, 3045, 3047, 4051, 4053, 4057, 4061, 4065, 4067, 4069, 4071, 4073, 4980, 4991, 4992, 4993, 4994

Electives—
Clas 3340—Practicum in Archaeological Field and Computer Techniques
Clas 5120—Field Research in Archaeology
Clas 5340—Practicum in Archaeological Field and Computer Techniques

Final Project
Anth 4011—Senior Seminar or Anth 4013—Senior Project. Anth 4011 is an in-depth examination of a prominent topic or issue in sociocultural anthropology or archaeology; students who take the senior seminar are required to write a substantial (i.e., 20 to 25 page) research paper to complete the course. Anth 4013 is an individualized research project, in many cases based on an internship or fieldwork, which students design and conduct under the supervision of a faculty member. Anth 4013 is required for honors students; other seniors can choose between Anth 4011 and 4013.

Minor Requirements
Students take at least 14 credits of anthropology courses at the 3xxx level or above. Specific coursework is worked out in consultation with the director of undergraduate studies.

Architecture
Department of Architecture
B.A.
Architecture encompasses the making and study of the buildings and environment that we inhabit. The concerns of architecture involve a wide variety of areas of study including the art of representing built projects through drawings and computer graphics; the technology of building structure, building materials, and natural and mechanical systems; the history, theory, and art of making, using, and understanding buildings as cultural artifacts for human use; and the practice of architecture in the context of urban form and business economics.

The bachelor of arts (B.A.) degree with a major in architecture provides instruction in history, representation, design, theory, and technology emphasizing the development of architecture as a language of form, space, and order. The B.A. with a major in architecture requires an understanding of social, cultural, and physical contexts as a foundation for the examination of the methods, values, precedents, and material reality characteristic of the process of shaping natural and built environments. The major combines core prerequisites with a broad introduction to architecture, including required courses in representation, history, theory, and design processes and an individualized elective concentration or minor planned by the student with the assistance of an adviser.

The B.A. introduces the study of architecture in the context of a liberal arts education. It may be used as preparation for professional study in architecture or related fields at the graduate level, or for employment in architecture related fields that do not require a professional degree. The undergraduate major establishes a strong design foundation that serves a diversity of careers, and provides flexibility as individual opportunities change. A master’s degree in architecture is required to qualify for licensure.

Admission Requirements—Students apply to the major the semester they will complete 60 credits. Students are admitted to the major based on space availability and academic record (a minimum GPA of 2.50 is required overall and in all architecture courses taken).

Application deadlines are November 1, March 1, and August 1. Students complete the following steps before an application deadline:
1. Complete all required architecture and general education courses listed under “Preparation for the Major” on page 132, and liberal education requirements totaling a minimum of 60 credits (may include current enrollment).
2. Meet with their CLA adviser to complete the Pre-Architecture Planning Sheet. (Premajor Advising, 30 Johnston Hall, 624-9006; Martin Luther King Program (MLK), 19 Johnston Hall, 625-2300; CLA Honors Program, 115 Johnston Hall, 624-5522)

3. Meet with the Department of Architecture undergraduate adviser, 110 Architecture, 624-7866. Bring a copy of the completed Pre-Architecture Planning Sheet and a current unofficial transcript to the appointment. Students should be prepared to state the courses they will take for their elective concentration or minor.

Degree Requirements
To complete the B.A., students must complete at least 120 credits: 60 credits of pre-architecture study followed by 60 credits of coursework after admission to the major. At least 40 credits must be in the major.

During their B.A. architectural studies, students should maintain a portfolio of originals or duplications of all freehand drawings, projects, and architecture studio designs. A portfolio is required for application to the accelerated program and the graduate professional degree program.

All architecture designated courses (Arch) and the required general education courses in math, physics, and English composition must be taken A-F with grades of C- or better.

Required Courses
Preparation for the Major (31 cr)

Architecture Courses (18 cr)

Representation
Arch 1301—Introduction to Drawing in Architecture and Landscape Architecture (3 cr)

History and Theory
Arch 1401—The Designed Environment (3 cr)
Arch 3401—Environmental Design and the Sociocultural Context (3 cr)
Arch 3411—Architectural History to 1750 (3 cr)
Arch 3412—Architectural History since 1750 (3 cr)
LA 3501—Environmental Design and its Biological and Physical Context (3 cr)

Required General Education Courses (13 cr)

EngC 1011—University Writing and Critical Reading (4 cr)
Math 1142—Short Calculus (3 cr)
or Math 1271—Calculus I (4 cr)
Phys 1201—General Physics I (5 cr)

Architecture Major Requirements (28 cr)

Representation
Arch 3301—Drawing for Design in Architecture (3 cr)

Design
Arch 5281—Undergraduate Architecture Studio I (6 cr)
Arch 5282—Undergraduate Architecture Studio II (6 cr)

Technology
Arch 5501—Environmental and Material Forces in Architecture (4 cr)

Electives
Arch 5xxx—Student's choice within area of interest (3-9 cr)

Elective Concentration or Minor (18 credit minimum)

B.A. candidates develop an elective concentration or minor of 3xxx-5xxx courses outside the major as a means to broaden the social, cultural, and international aspects of design. Courses in the minor are generally selected from one department (e.g., anthropology, art history, geography, political science). Courses for an elective concentration are chosen from various disciplines that impact design decisions (e.g., economics, geography, housing, natural resources, urban studies). Developing and selecting courses for the minor or elective concentration is the responsibility of the individual student but may be done in consultation with an adviser. The concentration or minor must be clearly presented at the time of the application to the major as it becomes an integral part of the Major Program Form. As individual goals change, the approved concentration may be revised by department consultation and a written amendment to the Major Program Form. These credits count toward the CLA requirement of courses outside the major.

Minor Requirements
An undergraduate minor in architecture introduces the foundational ideas of the discipline as a social, cultural, historic, and environmental construct. An undergraduate minor in architecture requires a minimum of 18 credits. A minimum grade of C- is required in all courses taken for the minor. Nine of the 18 credits are in three required courses:
Arch 1401—The Designed Environment (3 cr)
Arch 3401—Environmental Design and the Sociocultural Context (3 cr)
LA 3501—Environmental Design and its Biological and Physical Context (3 cr)

Nine credits are open to the student's selection within an interest area and must be in upper division Arch courses (3xxx-5xxx). See an architecture adviser in 110 Arch for more information and to declare the minor. A maximum of 9 transfer credits may be used toward the minor. A maximum of three courses taken for a major degree may also be used toward the minor.

Accelerated Status in Architecture
This status is a competitive opportunity for qualified undergraduates to complete the B.A. and M.Arch. in six years rather than seven. Applicants for the accelerated status must complete all B.A. degree requirements before their senior year, with the exception of no more than two courses in either the elective concentration or minor, or in general education requirements. In this program students complete the first year of the graduate professional degree program in their senior year; courses carry upper division credit. Summer and University College are acceptable methods to complete the B.A. degree requirements.

Admission to the accelerated status does not guarantee admission to the graduate professional program; separate requirements, such as the Graduate Record Examination (GRE), and other application documents, must be submitted in January of the year admission to the graduate program is sought. For more information about accelerated status, consult the Department of Architecture director of undergraduate studies.

To be considered for accelerated status, students must be enrolled at the University as a B.A. in architecture major, have completed one year of architecture design studio (Arch 5281, 5282), have completed 90 credits, have an overall GPA of 3.25 or above, and be highly recommended by two design studio instructors.

Nonmajors, students with B.A. or B.S. degrees in disciplines other than architecture who are preparing for admission to the graduate professional degree program, and first-semester transfer students are not eligible for accelerated status.

Qualified students must submit the following materials and complete an interview with the Department of Architecture director of undergraduate studies by May 1:

1. an official transcript from each institution attended by the applicant;
2. a portfolio (maximum 10 x 12) containing representative works—a range of exercises from architecture drawing classes, several architecture design projects from each studio completed, and their best work from any studio arts classes;
3. two letters/evaluations of the applicant’s work from instructors in architecture design studio courses;
Major coursework requires a minimum of 15 credits (usually five courses) at 3xxx or above (1 course may be at the 1xxx level), and 2 courses in the history of art. Majors have the opportunity to concentrate in a media if they choose, or they may diversify their interests in the visual arts by expanding on the broad based core requirements at the upper level. All major coursework must be taken A-F. Only grades of C- or above will apply to the major.

Registration for a major project (1 credit) is required in the senior year.

Required Courses
Arts 1001—Introduction to Visual Arts
Two-dimensional expression:
Arts 1101—Drawing
or Arts 1102—Painting
Three-dimensional concepts:
Arts 1301—Sculpture
or Arts 1801—Ceramics
Reproducible media:
Arts 1501—Printmaking
or Arts 1601—Electronic Art
or Arts 1701—Photography
15 cr Arts 3xxx or above
6 cr ArtsH (3 cr must be 3xxx or above)

All courses from the Department of Art History may apply to the art history requirement in the major. Adviser-approved, individual courses from the Departments of American Indian Studies, Anthropology, History, Cultural Studies and Comparative Literature, and Women’s Studies may also be applied to the art history requirement as they concern issues and topics germane to the history of the visual arts.

Final Project
Registration for Arts 3444—Major project (1 cr) is required in the senior year.
Art History

Department of Art History

B.A.

The program helps students develop an awareness of the visual environment through historical examination of architecture, sculpture, painting, and other visual art forms.

All 1xxx level courses and most 3xxx courses are for general audiences. For advanced work in art history, the department offers professionally oriented courses leading to a B.A. degree.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including at least 68 credits in the major. Grades of C- or above apply to the major. All coursework for the major must be taken A-F. Only 5 cr in additional art history courses of which at least 6 cr must be at the 5xxx level. Art practice—3 cr (consult the director of undergraduate studies).

Required Courses

Arts 1001—Introduction to Visual Arts
Two-dimensional expression: Arts 1101—Drawing or Arts 1102—Painting
Three-dimensional concepts: ArtS 1301—Sculpture or ArtS 1801—Ceramics
Reproducible media: ArtS 1501—Printmaking or ArtS 1601—Electronic Art or ArtS 1701—Photography
Arts 3401—Critical Theories and Their Construction From a Studio Perspective
Arts 3496—Internship in the Arts
ArtS 5400—Seminar: Concepts and Practices in Art 30 cr ArtS 3xxx or above 9 cr ArtH (6 cr must be 3xxx or above)

All courses from the Department of Art History may apply to the art history requirement. All students complete a major project. All major courses must be taken A-F.

Final Project

Each student completes a major project consisting of: a) a preliminary research paper for either ArtH 3930 (a junior-senior seminar) or any 5xxx course (to be selected by agreement with the instructor); b) ArtH 3971—Major Project Research Paper. The major project course must be selected in consultation with the director of undergraduate studies.

Minor Requirements

The art history minor consists of three courses selected from the following: ArtH 3005, 3008, 3009, 3101, 3102, 3013, 3014, 3015, 3921; and two 5xxx art history lecture courses. The minor program must be approved by the director of undergraduate studies. Directed study, independent study, and S-N credits may not be applied toward the minor.

Astronomy

Department of Astronomy

B.A.

The program develops the skills necessary to tackle complex and ill defined problems within the physical sciences. The astronomy program prepares students for careers in several broad areas. The B.A. is aimed primarily at students interested in secondary education in the physical sciences, science policy, and science and technical writing. The B.A. can also prepare students to continue their studies in astronomy in graduate school as well.
Admission Requirements—Students take Math 1271-1272 or Math 1371-1372 or Math 1571-1572 (8-10 cr); Math 2243 and 2263 (8 cr); and Phys 1301-1302-2303 or Phys 1401-1402-2403 (12 cr) before being admitted to the major. Ast 1011—Exploring the Universe, Honors is recommended but not required.

Degree Requirements
To complete the B.A., students must complete at least 120 credits. The number of credits completed in the major varies depending on a student’s specialization, but at least 15 credits must be taken with the Ast designator.

The astronomy degree has several different tracks depending on the area of specialization the student wishes to pursue. Each of these tracks has the same core math, physics, and astrophysics requirements. In addition to these core courses, each track requires additional credits specific to the area of specialization. These tracks are: secondary education, science writing, science policy, and scientist.

The senior thesis (Ast 4994) should be related to the area of specialization, and need not be astrophysics research.

Required Courses
Ast 2001—Introduction to Astrophysics (4 cr)
Two 4xxx or 5xxx courses in astronomy (8 cr)
Phys 2201—Introductory Thermal and Statistical Physics (2 cr)
Phys 2601—Quantum Physics (4 cr)
Phys 2605—Quantum Physics Laboratory (3 cr)
Phys 4001—Analytical Mechanics (4 cr)
Phys 4002—Electricity and Magnetism (4 cr)
Area of specialization (approximately 12 cr)

Electives—Additional credits in the area of specialization within the degree program may be required. For example, secondary education in the physical sciences requires additional chemistry and history courses to satisfy entrance requirements to the College of Education and Human Development. Consult your adviser.

Final Project
Students complete a senior thesis in Ast 4994—Directed Research (3 cr minimum). This requirement can be met with directed research in astronomy or a project more tailored to the specific track within the degree program. For example, students pursuing a career in secondary education may want to develop a unit on astronomy for junior high school instruction instead of an astronomy research project.

Minor Requirements
For a minor in astronomy, students take Ast 1001—Exploring the Universe (4 cr) or Ast 1011—Exploring the Universe (4 cr), Honors and Ast 2001—Introduction to Astrophysics (4 cr) and its prerequisites.

Biblical Studies

Department of Classical and Near Eastern Studies

Minor Only
The academic study of the Bible is an extraordinarily broad interdisciplinary field. Research in this field can involve many disciplines including a number of ancient and modern languages, archaeology, history, comparative religion and other social sciences, and literary studies. Biblical studies focuses on the Hebrew Bible and the New Testament in terms of their formation, cultural settings, and the history of their interpretation. This minor allows students who may not have the linguistic foundation to read the biblical texts in their original languages to pursue more advanced biblical studies.

Requirements
Students must complete a minimum of 15 upper division credits for the biblical studies minor. The minor focuses on study of the Hebrew scriptures and New Testament in translation or in the original languages. First-year Hebrew or Greek is required if you choose to study original texts in one of these languages.

All minors must take Clas 3072—New Testament and at least three courses from ANE 3501, 3502, 3503, 3504, Clas 3088, Clas 3089. One additional course must be taken from biblical survey and text seminars. The minor program must be approved by a biblical studies faculty member.

Biology

B.A.
Students in this program develop the skills necessary to tackle complex problems within the biological sciences. Biology examines the fundamental concepts of nature and all aspects of the living environment, from the molecular level to the biosphere. Biology can open doors to many specialized fields, including genetics, biotechnology, environmental biology, and medicine.

The biology B.A. program can prepare students for further study in graduate or professional schools, and train other students for careers in industry, education, or government.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 69 credits in the major. The biology curriculum also includes courses in biology, chemistry, physics, and mathematics.

Required Courses
Complete requirements in the categories of general and organismal biology, biology core, and electives in the major. The following courses must be taken A-F, unless the course is only offered S-N.

General and Organismal Biology—Choose sequence A or B:

Sequence A. (preferred sequence):
Biol 1001—Introductory Biology I: Evolutionary and Ecological Perspectives
Biol 1002—Introductory Biology II: Molecular, Cellular, and Developmental Perspectives
Choose one organismal biology course or course pair from the following list: Biol/MicB/VPB 2032, Biol 2012, Biol 2022, Biol 3211 and Biol 2005, Biol 3002 and Biol 3005, Biol 3007, Biol/MicB 3301

Sequence B,
Biol 1009—General Biology
Choose two organismal biology courses or course pairs from the following list: Biol/MicB/VPB 2032, Biol 2012, Biol 2022, Biol 3211 and Biol 2005, Biol 3002 and Biol 3005, Biol 3007, Biol/MicB 3301

Note: Grades in Biol 1009, 1001, and 1002 must be at least C-.

Biological Core—Complete each of the following:
Biol/BioC 3021—Biochemistry
Biol 4003—Genetics
Biol 4004—Cell Biology
Choose one course from Biol 3407, Biol 3409, Biol 3411

Electives in the Major—Complete each of the following:
Eleven additional upper division credits in mathematics, physical, biological science and/or computer science. (Phls 3051 may not be used to fulfill this requirement).
Laboratory or fieldwork in two additional upper division biological science courses or course pairs. Credits earned may be applied toward fulfilling the 11 upper division credits above. A list of acceptable courses follows:
Chemistry

Department of Chemistry

B.A.

Chemistry probes the fundamental concepts of nature and helps us understand the world around us. It deals with all substances at the molecular level: their composition, their properties, and how they are transformed into new substances. Chemistry is a central science of great importance to society. It provides a broad range of opportunities in many specialized fields, including biotechnology, polymer chemistry, environmental chemistry, materials chemistry, and medicine. After graduating with a bachelor’s degree, many chemistry majors go on to graduate or professional schools to pursue advanced degrees. Other graduates find employment in industry, education, or government.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including 35 credits in the major. The chemistry curriculum includes courses in chemistry, physics, mathematics, and the liberal arts. Specific degree requirements are listed under Required Courses.

Chemistry lecture/lab (31 cr)
Advanced chemistry lab elective (2 cr)
Directed research (2 cr)

Total credits in chemistry (35 cr)

Mathematics (12 cr)

Physics (8 cr)

Advanced technical electives (3 cr)

Introductory biology (4 cr)

Composition (4 cr)

Liberal education plus electives (54 cr)

Total credits for degree (120 cr)

All required courses must be taken A-F. A grade of C- or better is required in all technical courses. By selecting appropriate electives it is possible for a student to construct a program with emphasis in special interest areas, such as bioscience, chemical physics, education, environmental chemistry, and materials chemistry. Other special interest areas are also possible and chemistry advisers can be helpful in designing such programs. It is also possible for student to do dual degrees but this option requires careful course planning and should be discussed as early as possible with a chemistry adviser.

All chemistry majors are advised by faculty and staff in the chemistry advising office. Each student plans his or her degree program by submitting one-year plans in consultation with an adviser.

Required Courses

Chem 1021—Chemical Principles I (4 cr)
Chem 1022—Chemical Principles II (4 cr)
Chem 2311—Organic Chemistry I (3 cr)
Chem 2302—Organic Chemistry II (3 cr)
Chem 2311—Organic Lab (3 cr)
Chem 2101—Introductory Analytical Chemistry Lecture (3 cr)
Chem 2111—Introductory Analytical Chemistry Lab (2 cr)
Chem 3501—Physical Chemistry I (3 cr)
Chem 3502—Physical Chemistry II (3 cr)
Chem 4701—Inorganic Chemistry (3 cr)
Chem 2094 or 4094—Directed Research (1-3 cr)
Advanced chemisty lab elective (4 cr) from Chem 4111, 4311, 4511, 4711

Advanced technical elective (3-4 cr)

EngC 1011—University Writing and Critical Reading (4 cr)
Math 1271—Calculus I (4 cr)
Math 1272—Calculus II (4 cr)
Math 2263—Multivariable Calculus (4 cr)

Phys 1301—Introductory Physics I (4 cr)

Phys 1302—Introductory Physics II (4 cr)

Biol xxxx—Biology, with lab that meets liberal education requirement (4 cr)

Chicano Studies

Department of Chicano Studies

B.A.

The program focuses on the social, historical, and cultural experience of the Mexican and Latino populations in the United States. The core courses introduce historical and literary methodologies and perspectives that represent the early colonial conquest and the assimilation of Indians and African slaves into the new societies of the Caribbean, Mexican, Central and South American peoples. Students explore germinal texts that portray the history of Cuba and Puerto Rico as well as the Mexican colonial history of the Southwest from 1598 to the present. The program allows flexibility in pursuing related work in Latin American studies, women’s studies, and Spanish. Students are encouraged to develop interests in other disciplines in order to pursue double majors.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including 32 credits in the major. All students take the two-semester sequence, Chic 1105 and Chic 1106 in the first or second year. This yearlong survey familiarizes students with major historical figures, geography, and topics of study. Some courses at the 3xxx-level explore issues of history, literature, and gender in the study of Chicanos. Students must also complete a senior paper in Chic 5993.
Required Courses

Introductory Courses
Chic 1105—Introduction to Chicano Studies: The Beginnings to 1875
Chic 1106—Introduction to Chicano Studies: Mexico and the United States (1871-present)

Literature
Chic 3114—International Perspectives: U.S.-Mexico Border Cultures
Chic 3507—Introduction to Chicano Literature

History (choose three)
Chic 3427, 3428, 3441, 3442

Chicana-Latina (choose two)
Chic 3402, 3712, 3715

Senior Paper
Chic 5993—Directed Studies (minimum 3 credits)

Electives—Students may consult with the Chicano studies adviser and coordinate two or more courses in international studies, Latin American studies, Spanish and/or women’s studies.

Final Project
Students are encouraged to start thinking about the final project during the fall semester of their senior year or immediately after completing all the course requirements. Students should begin discussions with their adviser and begin a library search that indicates a bibliographical collection supporting their topic. Students may engage in a bibliographical search through a 1-credit directed studies course (Chic 3993) and then follow up with a second directed studies course (Chic 5993).

Minor Requirements
For a minor, students complete Chic 1105 or Chic 1106; two courses in history from: Chic 3427, 3428, 3441, 3442; one course in literature: Chic 3507 or 3114; and two Chicana-Latina courses from: Chic 3402, 3375, 3712.

Child Psychology

Institute of Child Development
Child psychology deals with behavioral development from the prenatal period to maturity in the areas of cognition, ethology, genetics, language, learning, perception, and social behavior.

The Institute of Child Development, housed in the College of Education and Human Development, offers a bachelor of arts, a bachelor of science, and a minor in child psychology through the College of Liberal Arts. All undergraduate child psychology courses are considered CLA courses and they count toward the CLA graduation requirements.

Both the B.A. and B.S. degrees prepare students for graduate study in psychology, education, medicine, law, sociology, and other behavioral sciences. In addition, with its combination of intensive training in developmental psychology and in-depth field experience, the B.S. prepares students for careers and additional training in such areas as early childhood education, counseling, and human service programs.

Admission Requirements—Students take CPsy 2301—Introductory Child Psychology and Psy 1001—Introduction to Psychology in preparing for the major.

B.A.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including two preparatory courses and 33 additional credits in the major. Major credits are distributed among core courses, a methods course, a senior project, and electives.

Required Courses

Methods Courses
CPsy 3308—Introduction to Research Methods
One of the following statistical methods courses: EPsy 3264, Psy 3801, Soc 3811, Stat 3011

Core Courses
CPsy 4331—Social and Personality Development
CPsy 4343—Cognitive Development
Four elective courses (16 cr) in child psychology

Final Project
Students complete a senior project (CPsy 4310) that may include literature review or research.

Minor Requirements
Students take the required preparatory courses: CPsy 2301—Introductory Child Psychology and Psy 1001—Introduction to Psychology. To complete the minor, they take CPsy 3308—Introduction to Research Methods; one course (4 cr) from CPsy 4329, 4331, 4343; and one CPsy elective (4 cr).

B.S.

Degree Requirements
To complete the B.S. in child psychology, students must complete at least 120 credits, including two preparatory courses and 44 additional credits in the major. Major credits are distributed among core courses, a methods course, a senior project, and electives.

Required Courses

Methods Courses
CPsy 3308—Introduction to Research Methods
One of the following statistical methods courses: EPsy 3264, Psy 3801, Soc 3811, Stat 3011
One evaluation methods course: EPsy 5243—Principles and Methods of Evaluation or EPsy 5849—Observation and Assessment of the Preschool Child

Core Courses
CPsy 4311—Behavioral and Emotional Problems of Children
or CPsy 4313—Developmental Disabilities
CPsy 4329—Biological Foundations of Development
CPsy 4331—Social and Personality Development
CPsy 4334—Children, Youth in Society
CPsy 4343—Cognitive Development
CPsy 4994—Directed Research in Child Psychology
and/or CPsy 4996—Field Study in Child Psychology
One CPsy elective (4 cr)

Final Project
Senior project (either literature review or research project) must be completed before graduation.

Minor Requirements
Students take the required preparatory courses: CPsy 2301—Introductory Child Psychology and Psy 1001—Introduction to Psychology. To complete the minor, they take CPsy 3308—Introduction to Research Methods; one course (8 cr) from CPsy 4329, 4331, 4343; and one CPsy elective (4 cr).
Chinese

Institute of Linguistics and Asian and Slavic Languages and Literatures

B.A.
The program aims to establish a solid linguistic foundation for students while unveiling for them the richness of Chinese literature through panoramic overviews in English and selected readings in the original language.

Admission to the B.A. program requires completion of all pre-major requirements with a letter grade of B and above.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 35 credits in the major.

The curriculum has three course categories: language sequences, surveys (in English), and topics/studies courses.

Required Courses
Premajor Requirements
Chn 1011-1012—Beginning Modern Chinese (5-5 cr)
or Chn 1015—Accelerated Beginning Modern Chinese (5 cr)
Chn 3021-3022—Intermediate Modern Chinese (5-5 cr)

Major Requirements (37 credits)
Chn 3031-3032—Advanced Modern Chinese (4-4 cr)
Chn 3111-3112—Introductory Classical Chinese (4-4 cr)
Chn 4121—History of the Chinese Language (3 cr)
or Chn 4125—Structure of Modern Chinese (3 cr)
Chn 4011 or 4012—Chinese Traditional Literature in Translation (4-4 cr)

12 credits from the following two categories:

Literature in English Translation (4-8 cr)
Chn 4023—20th-Century Chinese Literature in Translation (4 cr)
Chn 4024—Contemporary Chinese Literature in Translation (4 cr)
Chn 4234—Chinese Poetry in Translation (4 cr)
Chn 4235—Chinese Fiction in Translation (4 cr)
Chn 4241—Filmic Construction of Modernity in China (4 cr)

Literature in the Original (4-8 cr)
Chn 5015—Chinese Philosophical/Historical Texts (4 cr)
Chn 5018—Chinese Religious Texts (4 cr)
Chn 5230—Topics in 20th-Century Chinese Literature (4 cr)
Chn 5240—Topics in Chinese Poetry (4 cr)
Chn 5242—Chinese Classical Drama and Theatre (4 cr)
Chn 5250—Topics in Chinese Fiction (4 cr)
Chn 5260—Topics in Pre-modern Chinese Prose (4 cr)

Senior project (1 cr)
Electives—Students are strongly encouraged to take courses on Chinese civilization and culture in related disciplines.

Language Requirements
The CLA requirement of two years of a foreign language is fulfilled by the premajor requirement, which is two years of Modern Chinese.

Final Project
A senior project is required. Students taking a survey or topics/studies course may do a senior project concurrently with the same instructor.

Minor Requirements

Required preparatory courses:
Chn 1011-1012—Beginning Modern Chinese (5-5 cr)
or Chn 1015—Accelerated Beginning Modern Chinese (5 cr)
Chn 3021-3022—Intermediate Modern Chinese (5-5 cr)

Two additional surveys or topics/studies courses are also required.

Classical Civilization

Department of Classical and Near Eastern Studies

B.A.

This interdisciplinary program encompasses the study of Greek and Roman cultures and their influence on Western civilization and encourages study of related or parallel cultures such as those of Islam and the Indian subcontinent. It provides a comprehensive alternative to more specialized majors that focus primarily on one aspect or subject matter of classical antiquity and the spheres of its influence, such as art, history, philosophy, and literature, or a narrower span of historical periods. The program enables students to investigate classical civilization and its heritage from several perspectives and become acquainted with the methods and aims of several disciplines.

Admission Requirements—Prospective majors are advised to begin their language study as early as possible. Students wishing to declare a major in classical civilization must make an appointment with the program chair to outline distribution requirements and should bring along a current transcript to this and all subsequent meetings with their adviser.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including satisfying the CLA language requirement in Greek or Latin and at least 36 credits in the major. Students complete 12 approved courses, 8 of them at or above the 3xxx level, including two courses with the ClCv designator and other courses offered by at least three different departments of those offering required courses. The nature and distribution of the required coursework make classical civilization a convenient as well as strong second major complementary to many other majors.
Required Courses
Language and literature (three courses, 9 cr)
Art, art history, archaeology (three courses, 9 cr)
Thought and religion (two courses, 6 cr)
Classical traditions (two courses, 6 cr)
Related electives (two to four courses, 6-12 cr)
A list of courses from other departments that satisfy major requirements can be found in the Undergraduate Student Handbook, available from the Classical Civilization Program office.

Language Requirements
Majors are required to satisfy the language requirement in either Greek or Latin.

Final Project
All students are required to complete a senior project that may be in the form of a research paper. The nature of the individual project will be defined by the student and his or her adviser. Majors may but are not required to register for (0-3) credits while working on the project.

Minor Requirements
In addition to satisfying a language requirement (at least two courses in either the Greek or the Latin language or demonstrated proficiency at an equivalent level and one course concerned with the culture of the country or countries where the chosen language was used), classical civilization minors must take four approved courses, including at least one course from each of the four areas required for the major. These courses should be chosen with the guidance of a faculty adviser.

Computer Science

Department of Engineering and Computer Science
B.A.
Computer science is concerned with the study of the hardware, software, and theoretical aspects of high-speed computing devices and the application of these devices to a broad spectrum of scientific, technological, and business problems.

The curriculum gives students a basic understanding of computer science. After completing a required set of fundamental courses, students can arrange their subsequent work around one of several upper division emphases. These emphases allow concentrations within computer science. This should prepare a student for a variety of industrial, governmental, and business positions involving the use of computers, or for graduate work in the field.

Admission Requirements—
Math 1271—Calculus I
or Math 1371—Calculus: Concepts, Explorations, and Applications I
Math 1272—Calculus II
or Math 1372—Calculus: Concepts, Explorations, and Applications II
CSci 1901—Structure of Computer Programming I
CSci 1902—Structure of Computer Programming II
Applicants must have a minimum modified GPA of 2.50 (all grades from repeated attempts of each grade count) in the required math and CSci courses listed above, and must complete all these courses with a grade of C- or better.

Degree Requirements
To complete the B.A., students must complete at least 120 credits. Students take three courses in mathematics and one statistics course. The major consists of 41 CSci credits, including eight required courses and an upper division emphasis. The purpose of this emphasis is to allow students to select a coherent program of courses specific to their interests. The upper division emphasis is any program that (1) forms a coherent academic program in an area of computer science; (2) consists of at least 9 credits of nonrequired 4xxx or 5xxx CSci courses; (3) contains at most one CSci 59xx or 4970 course. Finally, students must also complete a major project. All courses below must be taken A-F and passed with a C- or better.

Required Courses
CSci 2111—Discrete Structures of Computer Science
CSci 2021—Machine Architecture and Organization
CSci 4011—Formal Languages and Automata Theory
CSCI 4041—Algorithms and Data Structures
CSci 4061—Introduction to Operating Systems
CSci 4801—Introduction to Software Engineering
Math 2243—Linear Algebra and Differential Equations
Stat 3021—Introduction to Probability and Statistics

Final Project
The major project requirement may be fulfilled either by taking CSci 4970—Advanced Project Laboratory (this requires finding a suitable project and a faculty member willing to supervise the project), or by taking one of the following courses: 5107, 5115, 5512, 5801, 5802. (This list will be updated periodically.) To fulfill the senior project requirement a course must contain a project that is substantial both in terms of time and scope. It should require at least six weeks of work and involve a number of different tasks such as designing, implementing, testing, and documenting a significant computer program. The project may be done in groups, and the course fulfilling the project, whether 4970 or one of the other courses, may be used as part of the upper division emphasis.

Minor Requirements
The minor consists of at least five 3- or 4-credit approved computer science courses. All courses must be taken A-F and only courses completed with a grade of C- or better count toward the minor. At least three courses must be CSci courses taken at the University. Up to two courses may be taken in another department or institution if they are equivalent to a CSci course. At least one course must be at the 5xxx level. Only computer science courses for majors are acceptable. In particular, 11xx-level CSci courses.

Cultural Studies and Comparative Literature

Department of Cultural Studies and Comparative Literature
B.A.
Both cultural studies and comparative literature study the ways cultures produce and reproduce themselves over time through close “readings” of their artifacts and practices. Comparative literature focuses on written texts and reading practices among different national traditions, while cultural studies ranges more widely, studying the meanings of the cultural world around us and the ways these meanings are central in creating us—individually and collectively. Both areas draw on interdisciplinary methods to show how texts and practices perform cultural “work”; advancing ways of knowing, systems of values and beliefs, and social-political organizations. Basic courses explain common critical methods for reading culture. More advanced courses examine particular historical moments, cultural sites, or cultural practices. All cultural studies and comparative literature courses develop ability to analyze texts and processes, explain them in terms of history and theory, and express what we find in clear writing and speaking. The major provides a strong basis for professional and graduate study and its courses are a central component of liberal arts or interdisciplinary programs.
Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 32 credits in the major. The B.A. program offers two tracks, a cultural studies track and a comparative literature track.

Students select a track and complete a minimum of ten courses for the major: two introductory (1xxx level) courses plus seven at upper division levels. To allow for flexibility, the tenth course may be taken at any level. Requirements for the different tracks are described below.

Required Courses
**Cultural Studies Track (ten courses)**
- CSCL 1001 — Introduction to Cultural Studies: Rhetoric, Power, Desire
- CSCL 1301 — Reading Culture: Theory and Practice
- CSCL 1201 — Introduction to Visual Cultures
- CSCL 1921 — Introduction to Film Study

Five 3xxx courses, including a minimum of one each from three of the following four subdivisions: discursive practices and genres, subjectivity and history, ideologies and disciplines, and critical theories and methods.

Two 4xxx or 5xxx courses, including CSCL 4990 — Senior Seminar and Workshop
One additional CSCL course

**Comparative Literature Track (ten courses)**
- CSCL 1101 — Introduction to Literary Cultures
- CSCL 1401 — Reading Literature: Theory and Practice
- CSCL 1201 — Introduction to Visual Cultures
- CSCL 1921 — Introduction to Film Study

Five 3xxx courses, including a minimum of one each from three of the following four subdivisions: discursive practices and genres, subjectivity and history, ideologies and disciplines, and critical theories and methods.

Two 4xxx or 5xxx courses, including CSCL 4990 — Senior Seminar and Workshop
One additional CSCL course

Electives — Courses from other units may be substituted (on an ad hoc basis) for department major courses if approved by the student’s adviser or the director of undergraduate studies.

Minor Requirements
Students take one 1xxx course plus 14 additional credits at the 3xxx, 4xxx, or 5xxx levels.

Dance

Department of Theatre Arts and Dance

B.A.
The B.A. in dance emphasizes general dance studies. This degree prepares the student for further studies in such areas of dance as performance, choreography, dance history, criticism, ethnology, pedagogy, movement analysis, and kinesiology.

Admission Requirements — All entering dance students must first be accepted into CLA. Acceptance into the B.A. program is by audition only.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 3 credits in the major. The 43 credits can be earned in the major areas of professional technical training, creative process, performance experience, dance history and studies, and career knowledge of the field. This requirement includes 4 credits of dance technique electives and 9 credits of dance-related academic electives. Major coursework must be taken A-F.

Required Courses
- Dnce 1401 — Introduction to Dance (3 cr)
- Dnce 1402 — Dance History (3 cr)
- Dnce 1626 — Music for Dance (3 cr)
- Dnce 3010 — Modern Dance Technique 5 (2 cr)
- Dnce 3020 — Modern Dance Technique 6 (2 cr)
- Dnce 3601 — Dance Composition 1 (3 cr)
- Dnce 3602 — Dance Composition 2 (3 cr)
- Dnce 3700 or 5700 — Performance (2 cr each; 4 cr total required)
- Dnce 4443 — Philosophy and Aesthetics (3 cr)
- Dnce 4901 — Senior Seminar (3 cr)

Technique electives (1 or 2 credits each; 4 credits required)

Dance-related academic electives (1-3 credits each; 9 credits required)

Electives — The dance-related academic elective requirement may be fulfilled by courses in dance, music, theatre, art history, kinesiology, cultural studies, speech communications, women’s studies, as agreed upon between the student and dance adviser.

Final Project

The senior project requirement may be satisfied by completing CSCL 4990 or through a directed study with a faculty adviser or by special registration in any 3xxx or 5xxx course.

Minor Requirements
Students take one 1xxx course plus 14 additional credits at the 3xxx, 4xxx, or 5xxx levels.

Dance

Department of Theatre Arts and Dance

B.F.A.
The B.F.A. in dance emphasizes technical, compositional, and performance training in modern dance. The program seeks to prepare the gifted student for a performance or creative career.

Admission Requirements — All entering dance students must first be accepted into CLA. Acceptance into the B.F.A. program is by audition only.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 78 credits in the major. Major credits must be earned in areas of professional technical training, creative process, performance experience, dance history and studies, and career knowledge of the field. This requirement includes 9 credits of dance-related academic electives. Major coursework must be taken A-F.

Required Courses
- Dnce 1401 — Introduction to Dance (3 cr)
- Dnce 1402 — Dance History (3 cr)
- Dnce 1500 — Topics in Dance (1 cr)
- Dnce 1500 — Topics: Dance Production (3 cr)
- Dnce 1626 — Music for Dance (3 cr)
- Dnce 3010 — Modern Dance Technique 5 (2 cr)
- Dnce 3020 — Modern Dance Technique 6 (2 cr)
- Dnce 3110 — Ballet Technique 5 (2 cr)
- Dnce 3120 — Ballet Technique 6 (2 cr)
- Dnce 3210 — Jazz Technique 5 (1 cr)
- Dnce 3220 — Jazz Technique 6 (1 cr)
- Dnce 3433 — Articulate Body (3 cr)
- Dnce 3601 — Dance Composition 1 (3 cr)
- Dnce 3602 — Dance Composition 2 (3 cr)
- Dnce 3700 or 5700 — Performance (2 cr each; 8 cr required)
- Dnce 4443 — Philosophy and Aesthetics (3 cr)
- Dnce 4601 — Dance Composition 3 (3 cr)
- Dnce 4602 — Dance Composition 4 (3 cr)
- Dnce 4901 — Senior Seminar (3 cr)
- Dnce 5010 — Modern Dance Technique 7 (3 cr)
- Dnce 5020 — Modern Dance Technique 8 (3 cr)
- Dnce 5858 — Teaching Dance (4 cr)

Technique electives (1 or 2 cr each; 7 credits required)

Dance-related academic electives (1-3 cr each; 9 credits required)
Electives—The dance-related academic elective requirement may be fulfilled by courses in such areas as music, theatre, art history, kinesiology, cultural studies, speech communications, and women’s studies, as agreed upon between students and their dance advisers.

Final Project
Requirements for final projects are completed in the required course Dnce 4901—Senior Seminar.

Dutch
Department of German, Scandinavian, and Dutch
Minor Only
The Department of German, Scandinavian, and Dutch offers courses in Dutch, the language spoken in the Netherlands and parts of Belgium. The Dutch minor includes study of the spoken language, literature, philology, culture, and civilization. The minor has been supported by an exchange with the University of Amsterdam.

Requirements
A passing score on the graduation proficiency test in Dutch is a prerequisite for this minor. Students take Ditch 3011—Conversation and Composition and Ditch 3012—Conversation and Composition (waived for students who receive a grade of A in 3011); 6 credits, selected in consultation with the adviser, from Ditch 3310, 3510, 3610; and one additional, related 3xxx or 5xxx course, selected in consultation with the adviser.

East Asian Studies
Institute for Global Studies
B.A.
This program uses an interdisciplinary approach to introduce students to the languages and cultures of East Asia. The major in East Asian studies emphasizes the humanities and social sciences to examine a topical theme. Courses may be taken in Chinese, Japanese, history, geography, sociology, political science, and art history. Courses offered by other departments (such as economics) may also be used to fulfill major requirements.

Admission Requirements—Students are admitted to the East Asian studies major after completing a minimum of 30 credits with good standing in CLA; at least two semesters of East Asian language study (or equivalent, as determined by the relevant language department); Area 3144—Introduction to Area Studies; and formally enrolling in the major at the Area Studies Programs advising office (214 Social Sciences Building). All premajor courses must be taken A-F and completed with a grade of C- or better.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 37 credits in the major. The major requirements are distributed among language courses, a methods course, a breadth requirement, a concentration, and a senior project. All major courses must be taken A-F and completed with a grade of C- or better.

Required Courses
Methods
One course (3 credits) dealing specifically with approaches to and/or methods of scholarly inquiry in the social sciences, history, literature, or humanities, depending on the nature of the student’s major program.

Breadth
Three courses or a minimum of 9 credits from the following: EAS 3211/Geog 3211—Geography of East Asia; EAS 3461/Hist 3461—Introduction to East Asia I: The Imperial Age; EAS 3462/Hist 3462—Introduction to East Asia in Modern Times 1600-2000; and one 3xxx-5xxx humanities course focusing on East Asia.

Concentration
At least five 3xxx-5xxx courses (15 credits), including two courses (3 credits each) in upper division humanities, literature or culture courses and two courses (3 credits) in upper division social science or history; and Area 4504—Senior Project.

Electives—Because this is an interdisciplinary program, other programs or departments offer many of the courses. For course approval and/or a list of courses that may be applied to the major, contact the area studies adviser in 214 Social Sciences Building.

Language Requirements
The minimum foreign language requirement for the East Asian studies major may be fulfilled by successful completion of one of the following: (1) three years (total of six semesters) of an East Asian language (Japanese or Chinese); (2) at least four semesters of an East Asian language (Japanese or Chinese) and at least four semesters of language study in a second language relevant to the student’s academic program; or (3) at least four semesters of an East Asian language (Japanese or Chinese) and an approved study abroad experience in East Asia. For a concentration with a Korean focus it is possible to have a comparable level of Korean in lieu of Chinese or Japanese requirements.

Note: Proficiency examinations and evaluations are provided by relevant language departments.

Minor Requirements
Students take four semesters of an East Asian language; EAS 3211—Geography of East Asia; EAS 3461—Introduction to East Asia I: The Imperial Age or EAS 3462—Introduction to East Asia in Modern Times 1600-2000; at least two 3xxx-5xxx courses in the humanities dealing with East Asia or a single East Asian society; and at least one 3xxx-5xxx course in the social sciences dealing with East Asia or a single East Asian society.

Economics
Department of Economics
The three economics majors emphasize critical thinking and the understanding of basic economic principles. The program offers three degrees: the B.A., the B.A.-quantitative emphasis, and the B.S. The B.A. gives students a solid background in economics, is the least quantitative of the three majors, and provides excellent preparation for students interested in working immediately after graduation or considering law school. The B.A.-quantitative emphasis adds basic quantitative training (in calculus, linear algebra, and econometrics) and best suits students considering graduate work in business administration. The B.S. is for students interested in graduate study in economics or in a career where quantitative economic analysis plays a significant role. The strong quantitative component in this degree emphasizes multivariate calculus, linear algebra, and econometrics.

Students choose from courses in comparative economic systems; economic theory; econometrics; economic development; game theory; industrial organization; cost-benefit analysis; environmental, financial, international, mathematical, monetary, public, and labor economics.
B.A.

Admission Requirements—Econ 1101—Principles of Microeconomics, Econ 1102—Principles of Macroeconomics, and Math 1271—Calculus I with a minimum grade of C- in each.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including 34 credits in the major. Students take Econ 1101 and 1102 and Math 1271 before declaring the major. In addition to taking economics courses, students can choose up to two upper division courses from related programs, and can take one independent or directed study. Some courses from mathematics and statistics are required for the degree. Study of one country only (out of Japanese Economy, Russian Economy, Latin American Economy, Chinese Economy, or any other area study) may count toward the major.

Required Courses
Econ 3101—Intermediate Microeconomics
Econ 3102—Intermediate Macroeconomics
Six upper division economics courses for a total of 18 credits.
Stat 3011—Introduction to Statistical Analysis
Stat 3022—Data Analysis
EngC 3072—Advanced Expository Writing

Electives—A maximum of two courses can be taken from the following selected courses in accounting, finance, and applied economics and applied to the 18 credits of economics upper division courses.
BFin 3001 or 4301
ApEc 3040, 3070, 3500, 4480, 4610, 4820, or any 5xxx ApEc course

Final Project
Students have four options for completing the senior project:
- A or B grade in an instructor-supervised research seminar (2 credits) offered every fall and spring semesters: Econ 3951—Major Project Seminar.
- Directed study (up to 3 credits of Econ 3993) resulting in a project supervised by a faculty member or instructor.
- A term paper with a minimum grade of A- from an upper division economics course.
- Acceptable honors (up to 6 credits) projects or theses.

Minor Requirements
Economics is a useful minor for students who have a related major in finance, management, statistics, mathematics, geography, sociology, political science, history, urban studies, international relations. Minors are available in six subfields designed to complement study in other majors. Each minor requires at least 13 credits (a minimum of four courses) of upper division work in economics.

Required Preparatory Courses (for all minors)
Econ 1101—Principles of Microeconomics (or equiv)
Econ 1102—Principles of Macroeconomics (or equiv)

General Economics Minor
Math 1142—Short Calculus or Math 1271—Calculus I (or equiv)
Econ 3101—Intermediate Microeconomics
or Econ 3105—Managerial Economics
Nine additional credits of upper division (at least three 3xxx-4xxx level) courses in economics
Up to 3 credits of directed study (Econ 3993 or 4993) may be counted toward the general economics minor.

Economic Theory Minor
Math 1271-1272—Calculus I-II (or equiv)
Math 2243—Linear Algebra and Differential Equations
and Math 2263—Multivariable Calculus (or equiv)

Econ 3101—Intermediate Microeconomics
and Econ 3102—Intermediate Macroeconomics
One course from the following list: Econ 4109, 4113, 4731 or 4741

Econometrics Minor
Math 1271-1272—Calculus I-II (or equiv)
Math 2243—Linear Algebra and Differential Equations (or equiv)
Stat 4101-4102—Theory of Statistics I-II
or Stat 5101-5102—Theory of Statistics I-II
Econ 3101—Intermediate Microeconomics
and Econ 3102—Intermediate Macroeconomics (or equiv)
Econ 4261—Econometric Analysis
Three credits of directed study (Econ 4993) for an econometrics research project.

International Trade and Development Minor
Math 1142—Short Calculus
or Math 1271—Calculus I (or equiv)
Econ 3101—Intermediate Microeconomics (or equiv)
Econ 4301—Economic Development
or Econ 4331—Economic Development
Econ 4307—Comparative Economic Systems
or Econ 4337—Comparative Economic Systems
Econ 4431—International Trade
and Econ 4432—International Finance
or Econ 4401—International Economics
One from:
Econ 4313—the Russian Economy
or Econ 4315—the Japanese Economy
or Econ 3960—Topics in Economics: The Chinese Economy
or Econ 4311—Economy of Latin America

Applied Microeconomics Minor
Math 1271—Calculus I (or equiv)
Econ 3101—Intermediate Microeconomics (or equiv)
Econ 3501—Labor Economics
or Econ 4531—Labor Economics
Econ 3601—Industrial Organization and Antitrust Policy
or Econ 4631—Industrial Organization and Antitrust Policy
Econ 4619—Environmental Valuation
or Econ 4623—Housing Markets and Public Policy
Econ 3801 or 4831 or 5821
Recommended: Econ 4211—Principles of Econometrics

Monetary Economics Minor
Math 1142—Short Calculus
or Math 1271—Calculus I (or equiv)
Stat 3011—Introduction to Statistical Analysis I (or equiv)
Econ 3101—Intermediate Microeconomics
and Econ 3102—Intermediate Macroeconomics
Econ 4751—Financial Economics
Econ 3701—Money and Banking
or Econ 4721—Money and Banking
Econ 4731—Macro Policy
or Econ 4741—Business Cycles

B.S.

Admission Requirements—Econ 1101—Principles of Microeconomics, Econ 1102—Principles of Macroeconomics, Math 1271—Calculus I, and Math 1272—Calculus II. A minimum GPA of 2.50 is required in these four preparatory courses and a minimum grade of C- in each course. If a student retakes any of these four courses, an average of the grades for the course will count toward the GPA.

Degree Requirements
To complete the B.S., students must complete at least 120 credits, including 40 credits in the major. Students take Econ 1101 and 1102 and Math 1271 and 1272 before declaring the major. Students need a minimum GPA of 2.50 in these four courses. In addition to taking economics courses, students can choose up to two upper...
division courses from related programs, and can take one independent or a directed study. Some courses from mathematics and statistics are required for the degree. Only one country study (out of Japanese Economy, Russian Economy, Latin American Economy, Chinese Economy, or any other area study) may count toward the major.

**Required Courses**
Econ 3101—Intermediate Microeconomics
Econ 3102—Intermediate Macroeconomics
Econ 4261—Econometric Analysis
Two Econ honors courses (8 credits)
Four additional upper division Econ courses for a total of 12 credits.
Math 2243—Linear Algebra and Differential Equations
Math 2263—Multivariable Calculus
Stat 4101—Theory of Statistics I
Stat 4102—Theory of Statistics II
EngC 3072—Advanced Expository Writing

**Electives**—A maximum of two courses may be taken from the following courses in accounting, finance, and applied economics and applied to the 12 credits of economics upper division courses.
Fina 3001 or 4301
ApEc 3040, 3070, 3500, 4480, 4610, 4820, or any 5xxx ApEc course

**Minor Requirements**
Economics offers six minors; see B.A. degree.

**B.A.-Quantitative Emphasis**

**Admission Requirements**—Econ 1101—Principles of Microeconomics, Econ 1102—Principles of Macroeconomics, Math 1271—Calculus I, and Math 1272—Calculus II with a minimum grade of C- in each course.

**Degree Requirements**
To complete the B.A.-quantitative emphasis, students must complete at least 120 credits, including 32 credits in the major. Students take Econ 1101 and 1102 and Math 1271 and 1272 before declaring the major. In addition to taking economics courses, students can select up to two upper division courses from related programs and one independent or directed study. Some mathematics and statistics courses are required for the degree. Only one country study (out of Japanese Economy, Russian Economy, Latin American Economy, Chinese Economy, or any other area study) may count toward the major.

**Required Courses**
Econ 3101—Intermediate Microeconomics
Econ 3102—Intermediate Macroeconomics
Econ 4261—Econometric Analysis
Four additional upper division economics courses for a total of 12 credits.
Math 2243—Linear Algebra and Differential Equations
Stat 4101—Theory of Statistics I
Stat 4102—Theory of Statistics II
EngC 3072—Advanced Expository Writing

**Electives**—A maximum of two courses may be taken from the following selected courses in accounting, finance, and applied economics and applied to the 12 credits of economics upper division courses.
Fina 3001 or 4301
ApEc 3040, 3070, 3500, 4480, 4610, 4820, or any 5xxx ApEc course

**Final Project**
Students have four options for completing the senior project.

- Directed study (up to 3 credits of Econ 3993) resulting in a project supervised by a faculty member or instructor.
- A term paper with a minimum grade of A- from an upper division economics course.
- Acceptable honors (up to 6 credits) projects or theses.

**Minor Requirements**
Economics offers six minors; see B.A. degree.

**English**

**Department of English Language and Literature**

**B.A.**
This major provides an opportunity to study human communication and artistic expression through literature, language, writing, and theory. Courses challenge students to develop abilities in text analysis, critical thinking, problem solving, writing, and speaking—all highly valued skills in the contemporary world. Foundation courses provide majors with a shared vocabulary and a knowledge of literary history and analysis. Elective courses invite students to examine many literatures (EngL), understand the many varieties, settings, and uses of English language and writing (EngC), and develop their own talents as creative writers (EngW). Some students elect to include English studies in their interdisciplinary programs.

**Admission Requirements**—Students must have a GPA of at least 2.50 in English literature courses and have taken one 3xxx English literature course.

**Degree Requirements**
To complete the B.A., students must complete at least 120 credits, including at least 35 credits in the major. Credits are distributed among textual interpretation, historical survey of literature, Shakespeare, English language or theory, elective courses, and a senior paper. All English major courses must be taken A-F and completed with grades of C- or better.

**Required Courses**
Students take 10 courses (35 cr minimum) in EngL, EngW, or EngC (beyond the freshman writing requirements), including at least nine 3xxx courses, distributed as follows.

**Foundation Courses**
EngL 3001—Textual Interpretation, Analysis, and Investigation
Three of the following British and American literature survey courses:
EngL 3003, 3004, 3005
EngL 3006—Shakespeare
or
EngL 3007—Shakespeare
or
EngL 3008—Shakespeare
or
EngL 3009—Shakespeare
or
EngL 3010—Shakespeare
or
EngL 3011—Shakespeare
or
EngL 3012—Shakespeare

One of the following literary theory or English language courses:
EngL 3002; EngC 3601, 3602, 3603, 3605, 3606, 3611, 3612, 3613, 3621, 3632, 3633, 3641, 3650 (topics in rhetoric/writing/language)

**Electives**
Four courses (minimum 12 cr), to include at least three 3xxx courses (9 cr) and one 1xxx or 3xxx course (3-4 cr).

**Final Project**
Each student produces a senior paper in a 3xxx course (other than foundation courses), subject to department guidelines and faculty written approval. Students must also register for EngL 3882—Senior Paper (1 cr). Honors summa cum laude degree candidates must also register for EngL 3883—Summa Thesis (3 cr).
Minor Requirements
Students take EngL 3001—Textual Interpretation, EngL 3007—Shakespeare, two historical survey courses, and one elective.

European Area Studies

Institute for Global Studies
B.A.
Dramatic changes in post-Cold War Europe present an exciting challenge to students interested in Europe. The European area studies program provides a broad interdisciplinary introduction to this region. The major allows students to concentrate on one country or culture, a subregion of Europe, or issues of regional impact. Students take courses across disciplinary boundaries that include, but are not restricted to, many departments in CLA, and are encouraged to include courses conducted in a language other than English.

Admission Requirements—Students are admitted to the European area studies major after completing a minimum of 30 credits with good standing in CLA; at least two semesters of a European language (or equivalent, as determined by the relevant language department); Area 3144—Introduction to Area Studies; and formally enrolling in the major at the Area Studies Programs office (214 Social Sciences Building). All premajor courses must be taken A-F and completed with a grade of C- or better.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 37 credits in the major. The major requirements are distributed among language courses, a methods course, a breadth requirement, a concentration, and a senior project. All major courses must be taken A-F and completed with a grade of C- or better.

Required Courses

Methods
One course of at least 3 credits dealing specifically with approaches to and/or methods of scholarly inquiry in the social sciences or humanities, depending on the nature of the student’s major program.

Breadth
Core set of courses that address Europe as a holistic region, including Geog 3161—Geography of Europe; Hist 3707—Social History of Modern Europe; and one 3xxx-5xxx course (3 credits) in the humanities.

Concentration
At least five 3xxx-5xxx courses (15 credits), including two courses (3 credits each) in upper division humanities, literature or culture courses and two courses (3 credits) in upper division social science or history; and Area 4504—Senior Project.

For a complete list of European area studies courses, see the area studies programs adviser.

Electives—Consult the Area Studies Program office for course approval.

Language Requirements
The minimum foreign language requirements for the European Area Studies major may be fulfilled by successful completion of one of the following: (1) three years (total of six semesters) of a European language sequence; (2) at least four semesters of European language study and at least four semesters of language study in a second European language; or (3) at least four semesters of foreign language study and an approved study abroad experience in Europe.

Note: Proficiency examinations and evaluations are provided by relevant language departments.

Minor Requirements
Students must complete the CLA second language requirement in a European language and take five courses (at least 15 credits) of 3xxx-5xxx coursework focusing on a particular topic in European area studies (excluding language courses). Courses must include Geog 3161—Geography of Europe, Hist 3707—Social and Economic History of Modern Europe, and 6 credits of humanities. A maximum of 3 credits may be in directed studies or directed research and courses must be from a minimum of three different departments. All courses must be taken A-F with a grade of C- or better. The minor program must be approved by the area studies adviser.

Film Studies

B.A.
Film studies is an interdepartmental program that offers students the opportunity to examine film from aesthetic, historical, political, social, technical, and theoretical perspectives. Among the departments offering film studies courses are Afro-American and African Studies; American Indian Studies; American Studies; Art History; Cultural Studies and Comparative Literature; East Asian Languages and Literatures; English; French and Italian; German, Scandinavian, and Dutch; Journalism; and Women’s Studies.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 33 credits in approved major courses. All courses must be taken A-F. Besides required courses, students take seven additional 3xxx-5xxx courses selected from approved electives, including one director course, one genre course, and one national cinema course. The seven courses must include at least one 5xxx course and, if possible, a 3xxx course designated as a junior-senior film studies seminar.

Required Courses

ArH 1921—Introduction to Film Study or CSCL 1921—Introduction to Film Study
ArH 3921—Art of the Film
CSCL 5751—Basic Concepts of Cinema
Jour 4615—History of Visual Communication in the Mass Media

Final Project
The major project requirement is satisfied by the term paper for either the junior-senior seminar or for another course designated as an appropriate substitute and approved by a member of the film studies committee.

Minor Requirements
Students must take ArH 1921—Introduction to Film Study, ArH 3921—Art of the Film, CSCL 5751—Basic Concepts of Cinema, Jour 4615—History of Visual Communication in the Mass Media, and two additional 3xx, 4xx, or 5xx courses selected from approved electives. The minor program must be approved by a member of the film studies committee.
Foreign Studies

Minor Only
The foreign studies minor helps students integrate their study abroad with supporting University coursework from a variety of disciplines. Because several of the required courses must be taken before departure, careful advance planning is essential. A more detailed explanation of requirements, guidance concerning course selection, and minor application forms are available from the academic advisers in the Global Campus office.

Requirements
In addition to required courses taken on campus (listed below), the foreign studies minor requires a minimum of eight weeks of study for academic credit in a foreign country. These credits must be accepted by the Office of Admissions as transfer credits or must appear on the student’s University transcript as residence credit under appropriate FoSt course numbers.

- Spch 3451—Intercultural Communication: Theory and Practice (before departure)
- Spch 3452—Communication and the Intercultural Reentry (after return)

Nine credits of 3xxx, 4xxx, or 5xxx courses focusing on the country of study. At least one course must be taken before departure and one after return. At least one course must be in the humanities (e.g., literature, art history), at least one in history, and at least one in the social sciences (e.g., geography, political science).

Two years (four semesters) in a foreign language appropriate to the country of study, of which at least one year must be completed before departure. Students intending to study in an English-speaking country may use any language and/or, with adviser approval, may substitute additional country-specific coursework for part or all of the language requirement.

French

Department of French and Italian

B.A.
The French major includes courses in three areas in which students may concentrate: linguistics, literature, and culture. Courses in language and linguistics include history of the French language, structure of the language, sociolinguistics, phonetics, conversation, and business French. Courses in literature and culture focus on topics and problems in three broad historical periods: the Middle Ages and Renaissance, early modern France, and modern and contemporary France. A number of courses focus on Francophone literature from Africa, the Caribbean, and Quebec. Courses in French cinema are also offered.

Many students combine a French major with another major, or choose to minor in French. The department offers selected courses in English for students who have not mastered French but want to study France and the French-speaking world.

Admission Requirements—Students must have taken Fren 1001-1002—Beginning French and Fren 1003-1004—Intermediate French. In addition they complete a minimum of 17 additional credits, including Fren 3101—Introduction to Literature, Fren 3015—Advanced French Grammar and Communication, Fren 3016—Advanced French Composition and Communication, one civilization course (36xx), and one elective.

Minor Requirements
Students complete prerequisites Fren 1001-1002—Beginning French and Fren 1003-1004—Intermediate French. In addition they complete a minimum of 17 additional credits, including Fren 3101—Introduction to Literature, Fren 3015—Advanced French Grammar and Communication, Fren 3016—Advanced French Composition and Communication, one civilization course (36xx), and one elective.

Required Courses
Fren 3014—French Phonetics
Fren 3015—Advanced French Grammar and Communication
Fren 3016—Advanced French Composition and Communication
Fren 3101—Introduction to French Literature
One civilization course (Fren 36xx)
One additional literature course (Fren 31xx-34xx)
Four electives
Note: Ling 3001—Introduction to Linguistics is a prerequisite for most French linguistics courses.

Final Project
Students complete a lengthy research paper in Fren 4101—Seminar in French Studies. The course focuses on contemporary issues in French studies.

French and Italian

Department of French and Italian

B.A.
The French and Italian major allows students interested in both cultures and languages to pursue a combined major. Students study specific works in each national literature while also exploring the interrelations and cross-cultural exchanges that have contributed to Italian and French literature and culture. This comparative perspective introduces students to a broad range of issues and cultural practices.

Admission Requirements—Students must take French 1001-1002—Beginning French, Fren 1003-1004—Intermediate French, or equivalent and Ital 1001-1002—Beginning Italian, Ital 1003-1004, or equivalent.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 36 credits in the major. Students complete the following in each language: two years of beginning language sequences, a conversation and composition course, an introductory literature course, and two elective courses. In addition, students select two French and Italian (FrIt) courses and complete their senior project in the French senior seminar or an appropriate Italian course.

Required Courses
- Language
  - Fren 3015—Advanced Grammar and Communication
  - Ital 3015—Reading, Conversation, and Composition

- Literature and Culture
  - Fren 3101—Introduction to French Literature
  - Ital 3201—Reading Italian Text: Poetics, Rhetoric, Theory

Two Fren 3xxx or 5xxx literature or culture courses
The National Research Council ranked the geography program #3 in the nation in their 1995 report.

Geography

Department of Geography

Geography describes and explains the past, present, and future locations and spatial patterns of humans and their settlements, cultural and economic traits, and natural environment and resources. The language of maps is a distinctive language of geography, and an ability to use and interpret maps is fundamental to the study and practice of the discipline. Geography offers students an integrative perspective on the relations among social, political, economic, and physical phenomena in space and place.

The B.A. provides students with a broad background in the discipline with emphasis on one of four tracks: city systems; regional analysis and development; environmental systems; and geographic information, analysis, and representation.

The B.S. offers a solid foundation in the science of geography in either the environmental systems or geographic information, analysis, and representation track.

The city systems track examines urban phenomena on two scales. In cities as systems, students learn about the internal structure of cities, including their morphology, land-use patterns, social geography, and meaning. In systems of cities, the interconnections among cities at regional, national, and global scales are emphasized. The track examines cities and city systems in diverse settings—North American cities, European cities, cities in the developing world—and from different perspectives—historical, social, political, economic, and other approaches.

In the regional analysis and development track, students learn about different ways of life and conceptions of development or well-being of people in different places. They also learn about the connectedness of societal and environmental processes from local to global levels.

The environmental systems track examines the natural environments and resources that sustain human life and activity. Students explore the local and global patterns of climate, soils, vegetation, and surface land form; changes over time, both naturally occurring and caused by humans, in the natural environment; and ways of analyzing and predicting both human-caused and naturally occurring environmental change.

The geographic information, analysis, and representation track is concerned with all aspects of geographical information, including collection, storage, manipulation, analysis, and visualization. This track encompasses geographical information science (GIS), cartography, remote sensing, spatial analysis, and numerical modeling.

B.A.

Degree Requirements

To complete the B.A., students must complete at least 120 credits, including at least 32 credits in the major with a grade of C- or better. Students take three core courses, a modes of geographic inquiry course, and five courses from the major track. A list of applicable courses is available from the undergraduate adviser in the Department of Geography. Students also complete a senior project. A minimum of 15 geography credits must be taken after declaring the major.

Required Courses

Core courses: Geog 301—Introduction to Human Geography or 3001—Geographic Inquiry and Human Development and two of the following: Geog 3371, 3401, 3561.

Geog 4001—Modes of Geographic Inquiry

Final Project

Students complete a senior project either in Geog 3985—Senior Project Seminar or by extra-credit registration in any course in the major track.

Minor Requirements

Students complete a minimum of 14 credits in 3xxx, 4xxx, or 5xxx courses, with a grade of C- or better.

B.S.

Degree Requirements

To complete the B.S. in geography, students must complete at least 120 credits, including at least 39 credits in the major with a grade of C- or better. These credits include: three core courses, a modes of geographic inquiry course; one course in the geographic information, analysis, and representation track; and four courses in either the geographic information, analysis, and representation track or the environmental systems track. A list of applicable courses is available from the undergraduate adviser in the Department of Geography. Students also complete a senior project.

Required Courses

Core courses: Geog 3401—Geography of Environmental Systems; Geog 3561—Principles of Geographical Information Science and one of the following: Geog 1301, 3001, or 3371

Geog 4001—Modes of Geographic Inquiry

Mathematics through Math 1272 or through Math 1372; or statistics through Stat 3022; or computer science (CSci 1107 and 1113)

Final Project

Students complete a senior project either in Geog 3985—Senior Project Seminar or by extra-credit registration in any course in the major track.

Minor Requirements

Students complete a minimum of 14 credits in 3xxx, 4xxx, or 5xxx courses with a grade of C- or better.

Geology

Geology and Geophysics

B.A.

Geology is the study of the composition, structure, and history of the Earth and of the processes that operate on and within it, with emphasis on the crust, oceans, and atmosphere. The B.A. prepares students for graduate study or professional employment.

Geologists are employed in a wide range of fields, including exploration for and development of natural resources (hydrocarbons, minerals, groundwater), environmental science, urban planning, education, oceanography, and other areas related to natural science. Potential employers include the oil, gas, and minerals industries, environmental consultants, federal and private research institutions, universities, schools, and government agencies. An advanced degree is usually required for a career in research or teaching.
Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 41 credits in the major. The program is built around a core of basic Earth-science courses that are mainly taken in the sophomore and junior years. The curriculum provides a strong foundation in mathematics, physics, and chemistry. Some students select a geology major in part to obtain this broad science base. Students must pass all core courses with a grade of C- or better.

Required Courses
Geo 2201—Geodynamics I: The Solid Earth
Geo 2301—Mineralogy
Geo 2302—Petrology
Geo 2303—Geochemical Principles
Geo 3202—Geodynamics II: The Fluid Earth
Geo 3401—Geochronology and Earth History
Geo 3911—Introductory Field Geology
Geo 4501—Structural Geology
Geo 4602—Sedimentology and Stratigraphy
Geo 4631—Earth Systems: Geosphere / Biosphere Interactions
Two courses from: Geo 3870, 3880, 3890
One course from: Geo 4911, 4921, 4971
4 elective credits in geology
Math 1271-1272 or 1371-1372 or 1571-1572
Phys 1301-1302
Chem 1021-1022

Minor Requirements
Students take Geo 1001—The Dynamic Earth: An Introduction to Geology or equivalent and 14 credits of geology or geophysics taken at 2xxx level or above.

Environmental Geosciences Minor
Students take at least one of the following preparatory courses: Geo 1001, 1002, 1004, 1009, 1011, 1019, GC 1171, GC 1172. In addition, students choose a minimum of 14 credits of 2xxx courses from: Geo 2001, 2002, 2003, 2004, 2005, or 2006. Appropriate higher level courses such as Geo 4701, Geo 4631, or Geo 5701 can be substituted with approval from the undergraduate adviser. The undergraduate adviser may also approve courses from other departments (e.g., Anth 3041, Econ 3611, Geog 5441, Soc 4305). Students must complete one of the following: Geo 1001, 1002, 1004, 1019, 2001.

German
Department of German, Scandinavian, and Dutch
B.A.
The German program teaches and conducts research in the language, literature, and culture of the German-speaking nations of Europe: Germany, Austria, and Switzerland. The program also offers courses in Dutch, the language spoken in the Netherlands and parts of Belgium. There is a major and minor in German studies and a minor in Dutch; these major and minor programs include the study of the respective spoken language, as well as of literature, philology, culture, and civilization.
The department recommends study abroad in a German-speaking country for at least six months in order to acquire cultural familiarity and language fluency. Students may apply appropriate coursework to a German major or minor. The University is affiliated with exchange programs in Berlin and Freiburg for both one- and two-stays. There are also other possibilities for study at many additional German, Austrian, and Swiss universities. For more information on study abroad opportunities, see “International Programs” in the general information area of the CLA section.

Admission Requirements—Students must have a passing score on the German Graduation Proficiency Test.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 35 credits in the major. This includes a core curriculum of 20-24 credits (5-6 courses) and an additional 12-15 credits of electives (4-5 courses) selected according to the guidelines of the three emphases: literature and culture, history and society, and linguistics and philology. Students in the first two emphases may take one of these electives in programs outside of German—for example in art history, history, political science, philosophy, or international relations—if the course examines German-speaking areas, subject to the approval of the director of undergraduate studies. For students in the linguistics and philology emphasis, one of the electives must be taken in the linguistics program. The major program must be approved by the director of undergraduate studies.

Placement: There are two first-year options: Ger 1001 and 1002 is the standard classroom sequence; Ger 1110 uses an individualized approach for the equivalent of the first two semesters of German. To enroll for second-year courses, CLA students must pass 1002, the 10th credit of 1110, or the Entrance Proficiency Test. Consult the department for more information on placement and testing.
Required Courses

Core required of all students (5-6 courses)
Ger 3011-3012—Conversation and Composition (3012 may be skipped if an A is earned in 3011)
Ger 3104—Reading and Analysis of German Literature
Ger 3511-3512—History of German Culture and Civilization

One of the following sequences—

Literature and Culture Emphasis
Three to four more courses in literature and film
One elective within the German program or outside, if the course examines German-speaking areas

History and Society Emphasis
Three to four more courses in history/society: 35xx, 45xx, 55xx. An advanced language course (30xx [beyond 3012] or 50xx course) may be substituted for one of these courses
One elective within the German program or outside, if the course examines German-speaking areas

Linguistics and Philology Emphasis
Three to four more courses in German linguistics and philology: Ger 37xx courses and Ger 5101—Analysis of German
One linguistics course chosen from Ling 3001, 3011, 3601, 5001, or 5601
Up to three of the ten courses for the German major may be taken in translation if a student does extra work in German (as directed by the instructor) in at least two of those courses. Courses taken S-N may not be counted toward the major.

Final Project
Students complete GSD 3451—Major Project Seminar.

Minor Requirements
Students take five courses (minimum of 17 credits), including Ger 3011-3012—Conversation and Composition (3012 may be skipped if an A is earned in 3011) (4-8 credits); Ger 3104—Introduction to Literary Analysis (4 credits); and two to three more 3xxx, 4xxx, or 5xxx courses (6-9 credits).

Greek

Department of Classical and Near Eastern Studies

B.A.

Greek is the Western language with the longest continuous history, from the poetry of Homer composed in the first millennium B.C. to the present. This program focuses on literature, religion, history, archaeology, and art associated with the Greek language from its earliest appearance through the golden age of the Greek city-state in the 5th century B.C. and the Roman Empire into the medieval Byzantine Empire. Greek majors who intend to continue in Classics graduate studies are strongly advised to study Latin as well.

Admission Requirements—Students must have taken either Grk 1002 or 1111/1112 or 3111/3112 or must have four years high school Greek and one course from: Clas 1001, 1002, 1003, 1023, 1024, 3023, 3024.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 30 credits in the major. The major in Greek includes the reading of Greek authors and the study of ancient civilization from the broad range of courses offered at the University. The Greek authors include poets like Homer, philosophers like Plato and Aristotle, the playwrights who wrote the first comedies and tragedies, and Herodotus “the father of history.” The study of ancient civilization may include courses in Modern Greek, Latin, and other ancient languages, but at least one course must be concerned with ancient history, religion, art, or archaeology. Students also complete a senior project.

Required Courses

Upper division requirements
14 credits in Greek courses at 3113 or above
12 credits of related coursework: one course in ancient history, religion, art or archaeology above 3xxx; other credits from additional Latin or Greek courses at 3113 or above, any classics courses above 3xxx, or other courses (e.g., ancient history, art) with approval of the director of undergraduate studies.
4 credits of a senior project (not required if this is the second major of a Latin-and-Greek double major)

Electives—Students may take any 3xxx course or above in classics, Latin, Akkadian, ancient Near Eastern studies, Aramaic, Sanskrit, Sumerian, Coptic, religions in antiquity, classical civilization, and modern Greek. Students may also take any of the above courses when cross-listed as ArtH, RelA, Hebrew, MeSt, etc. Courses above 3xxx in history and art history concerned with Greek, Roman, and some medieval topics, and archaeological courses in anthropology by arrangement with the director of undergraduate studies may also be taken.

Final Project
A senior project is required; double majors in Latin and Greek are required to complete only one senior project. The project usually takes the form of a paper, but other forms of a project (e.g., oral performance of classical literature) may be considered.

Minor Requirements
The Greek minor permits students who have satisfied the language requirement in Greek to read ancient authors and to expand their knowledge of ancient civilization.

Students must have taken either Greek 1002 or 1111/1112 or 3111/3112 or must have four years high school Greek and one course from: Clas 1001, 1002, 1003, 1023, 1024, 3023, 3024.

Upper division requirements: 11 credits in Greek courses at 3113 or above and 3 credits of related coursework at 3xxx level or higher, including courses in Latin, Greek, other ancient languages; classics courses; and other courses in ancient history, religion, art, or archaeology.

Hebrew

Department of Classical and Near Eastern Studies

B.A.

This program enables students to study the various periods of the Hebrew language covering a span of 3,000 years, from biblical times to the present. The program gives students the tools for work in the fields of literature, social sciences, religious studies, linguistics, and law. Hebrew equips the student for cross-disciplinary learning in several fields—ancient, medieval, and contemporary. Related areas include Jewish studies, religious studies, Arabic, Greek, and the extinct languages of the ancient Near East. Students are encouraged to incorporate study in Israel in one of the many exchange programs involving archaeology, the social sciences, or the humanities (consult Foreign Studies office for more information). Hebrew majors often use their major to complement a second major in another field such as political science, sociology, journalism, history, religious studies, business, speech communications, and linguistics.

For related coursework, see listings under ancient Near Eastern studies and Jewish studies.

Admission Requirements—Students must have taken Hebr 3012 or equivalent.
Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 32 credits in the major. All students complete two semesters of advanced Hebrew. Then they must choose 6 credits of coursework from each of three areas: biblical studies, rabbinic and medieval texts, and modern Hebrew prose and poetry. In addition, students must take 6 credits of electives (taught in either Hebrew or English) and a linguistics course. The senior project completes the requirements.

Required Courses
Upper division requirements
Hebr 3015-3016—Advanced Modern Hebrew I-II
From the areas of biblical Hebrew, rabbinic/medieval Hebrew, and modern Hebrew, students must take a minimum of 6 credits in each area (minimum of 18 credits total):

Biblical Hebrew
Hebr 3201-3202—Readings in Biblical Hebrew I-II
Hebr 3200—Topics in Biblical Studies: A Book of the Bible

Rabbinic and Medieval Hebrew
Hebr 3111—Rabbinic Texts I
Hebr 3112—Rabbinic Texts II
Hebr 3122—Medieval Hebrew Literature I
Hebr 3123—Medieval Hebrew Literature II

Modern Hebrew:
Hebr 3301—Modern Hebrew Prose
Hebr 3302—Modern Literary Prose and Poetry

All students take Ling 3001—Introduction to Linguistics.

Electives—Any of the Jewish studies courses may be applied toward the major.

Final Project
A senior project (Hebr 3951) is required. Students majoring in Hebrew and Jewish studies are required to complete only one senior project. The project generally takes the form of a paper, but other forms of project may be considered.

Minor Requirements
The Hebrew minor permits students who have satisfied the language requirement with Hebrew to use their knowledge to read more widely in sources of antiquity and the middle ages and the modern period and to add to their knowledge of Hebrew civilization and culture. Students must have completed Hebr 3013 or equivalent as certified by an adviser. Upper division requirements include 14 credits of related coursework at 3xxx level or higher in consultation with an adviser to assure a balanced distribution of subjects and genres. Coursework may include courses in Hebrew, ancient Near Eastern studies, or Jewish studies. All courses at the 3xxx level must be taken A-F.

Degree Requirements
There are no prerequisites for the undergraduate major. Students take three introductory courses (including one of world history), six courses above the 1xxx level, including three in an area of concentration, and a senior paper course. In selecting the ten courses, majors must fulfill three distribution requirements:

1. Chronological—At least two courses from the premodern era (roughly pre-1750) and two courses from the modern era (roughly post-1750).
2. Geographic—At least one course in each of two different geographic areas and one of the following courses in world history: Hist 1011, 1012, 1017, 1018.
3. Area of concentration—At least three courses, 3xxx or higher, that represent either a geographical area, a chronological period, or a unifying theme, method, or subject.

An honors major with special courses is offered.

Required Courses
Students must take three of the following introductory survey courses:
Hist 1011-1012 (world history)
Hist 1031-1032 (European civilization)
Hist 1301-1302 (U.S. history)

Final Project
Students are required to produce a 20-30 page senior paper based on research in both primary and secondary sources. Most majors will do this in a one-semester, 4-credit senior paper course (Hist 3961—Major Paper).

Minor Requirements
Students take a minimum of four history courses for a total of at least 14 upper division credits. These courses must be in at least two different cultural/geographic areas.

History of Medicine

Medical School
Minor Only
History of medicine courses explore the development of medical knowledge, institutions, and practices; the history of diseases; and the place of medicine in Western intellectual and social history.

Requirements
Students take 14 credits in history of medicine courses. This includes at least 6 credits in introductory survey courses (HMed 3001-3002—Health Care in History I-II or HMed 5201-5202) and at least 6 credits in specialized courses at the 5xxx level.

History
Department of History
B.A.
History examines the human experience from its origins to the present. Beyond introductory surveys, courses focus on various regions (Europe, Africa, Asia, Latin America, U.S.), time periods (ancient, medieval, early modern, and modern), and methods (economic, social, quantitative). Interdisciplinary programs incorporate history into a variety of other programs (e.g., history of medicine, international relations, various area studies majors, women’s studies).
History of Science and Technology

Program in History of Science and Technology

Minor Only
This minor focuses on the origins and development of science and technology and their relations to the social, cultural, and philosophical currents of their time.

Requirements
Students take at least 14 credits of 3xxx-5xxx courses; at least 3 of these credits must be at the 4xxx level. Not more than 25 percent of the total 3xxx-5xxx credits in the minor program may consist of directed study, directed instruction, or independent study credits. Not more than 25 percent of the total 3xxx-5xxx credits in the minor program may be taken S-N. All courses in the minor must be completed with a grade of C- or better.

Humanities in the West

Humanities Program

Minor Only
Humanities offers integrated study of areas of civilization and major humanistic problems, drawing mainly on primary sources in literature, philosophy, history, the arts, and relevant aspects of the human and natural sciences. This breadth of perspective provides an understanding of men and women as heirs to and creators of civilization, concerned with values and the development of the whole person. Humanities offers a variety of interdisciplinary courses and a minor in humanities in the west.

Requirements
Students take a total of 18 credits as follows. A minimum of 10 credits from the humanities in the west sequence; 8 additional humanities course credits. The minor program must be approved by the humanities program coordinator. Not more than one humanities course in the minor program may be taken at the 1xxx level. Not more than one 3xxx-4xxx course in the minor program may be taken directed study, directed instruction, or independent study. Not more than one course in the minor program may be taken S-N. All courses in the minor program must be completed with a grade of C- or better.

Individualized Studies

B.I.S.
The bachelor of individualized studies (B.I.S.) is an alternative degree program that provides certain types of flexibility not available in B.A. and B.S. programs. Rather than completing a major within a single field, students focus their coursework on three areas of concentration, one of which may consist of courses from outside CLA. The areas do not have to be related to each other, but the B.I.S. program proposal must include an explanation of the student’s overall educational goals.

Admission Requirements—Working closely with a B.I.S. adviser, students develop program proposals that explain why their academic needs would best be met by an individualized program and list the courses to be included in the program. The B.I.S. application must be approved by faculty or department advisers with expertise in the areas of concentration.

In addition, some departments and colleges have established prerequisites for students who want to include in their B.I.S. programs concentration areas based in those departments and colleges. Consult a B.I.S. adviser for specific information on application procedures and on department and college prerequisites.

Degree Requirements
To complete the B.I.S., students must complete 120 credits, including 50 approved credits at or above 3xxx, distributed among the three concentration areas. The concentration areas may be departmental or interdepartmental in composition, and each must include a minimum of 15 credits at or above 3xxx. Up to 21 credits in the program may be from outside CLA.
A minimum of 20 credits in the B.I.S. concentration areas must be completed after admission to the B.I.S. program.
A maximum of 12 credits of directed studies and a maximum of 12 credits taken S-N may be included in a B.I.S. program.
The CLA requirement of 18 credits at or above 3xxx outside the major does not apply.

Final Project
The B.I.S. writing requirement is met with a 2,500-word analytic paper written in conjunction with a CLA course in the B.I.S. program.

Individually Designed Interdepartmental Major

B.A.
The I.D.I.M. program enables students to fulfill the major program requirements for the B.A. degree by completing an interdepartmental program of coursework focused on a theme of their own choosing, designed in consultation with faculty and staff advisers.
I.D.I.M. programs consist of three or four areas of concentration, which may be departmental or interdepartmental in composition. Thematic unity and coherence are basic requirements of the I.D.I.M. program.

Admission Requirements—Working closely with an I.D.I.M. adviser, students develop program proposals that explain their academic goals and list a set of courses appropriate for meeting those goals. Admission to the I.D.I.M. program is based on approval of the program by three faculty or department advisers with expertise in the areas of concentration.

In addition, some departments and colleges have established prerequisites for students who wish to include in their majors concentration areas based in those departments and colleges. Consult an I.D.I.M. adviser for specific information on application procedures and on department and college prerequisites.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 50 credits in the major. The 50 credits must be distributed among three or four concentration areas, with at least 11 credits at the 3xxx level or above in each area. The concentrations may be departmental or interdepartmental in composition. At least 40 of the 50 credits must be 3xxx or above.
The program must also include a senior project of at least 2 credits, approved in advance by both faculty and staff advisers (part of the 50 credits total).
At least 20 credits in the major must be completed after the program has been approved. No more than 12 credits of directed studies may be applied toward the major. A maximum of 8 credits at the 1xxx and 2xxx level and 8 credits at or above 3xxx taken S-N may be applied to the major. No course in which a grade of D has been earned may be applied to the major. The CLA requirement of 18 credits at or above 3xxx outside the major does not apply.

Final Project
Students must complete an integrating senior project, earning at least 2 credits in conjunction with the project. Projects may vary widely in form, depending on the students’ majors. The project proposal and the project itself must be reviewed and approved by one faculty adviser and two faculty readers.

International Relations

Institute for Global Studies

B.A.

Students choose one of a series of curricular options or “tracks” such as diplomacy and interstate relations, international development, international political economy, international relations and the environment, international society and politics, and immigration and refugees. The curricular options and track requirements are described in the International Relations Major Handbook, available in 214 Social Sciences Building.

All tracks require IntR 3101—International Relations: Practice and Theory, one upper division quantitative methods course in the social sciences, and completion of a major project.

Students must also demonstrate proficiency in a foreign language.

Admission Requirements—To be accepted into the major, students must complete the following, with a GPA of 2.25 or better, with no grade lower than C-: Econ 1101—Principles of Microeconomics and 1102—Principles of Macroeconomics; one other social science course relevant to international relations; two semesters of second-language study (or equivalent as determined by the relevant language department).

Students who have completed the premajor requirements must formally enroll in the major by consent of the major adviser (coursework must be wholly or partially in Italian language). Students who lack such proficiency must complete coursework specified for the language selected; the program offers courses on international relations taught in some languages. An early start on planning your program in this major is essential.

Language Requirements
Students must demonstrate proficiency in a foreign language. Students who lack such proficiency must complete coursework specified for the language selected; the program offers courses on international relations taught in some languages. An early start on planning your program in this major is essential.

Italian

Department of French and Italian

B.A.

The Italian undergraduate program examines Italian literature, history, and culture. Italy, which became a unified nation-state only in 1870, struggled for centuries to escape occupation by other European powers; a diversity of regional centers (including Rome, Florence, Milan, Venice, and Naples) that created distinct linguistic, literary, and cultural expressions.

Department offerings focus on the emergence of Italian nationhood and identity from the Enlightenment and Risorgimento through the Fascist and postwar eras and its reflection in literature and other symbolic expression, with emphasis on problems of gender, and national and cultural boundaries.

Admission Requirements—Completion of Ital 1001-1004 or equivalent.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 34 credits in the major.

Students who complete Italian language courses (Ital 1001-1004 or equivalent), majors must take one of third-year language, the Reading Italian Texts course on methods of reading, and two semesters of Italian culture (Ital 3501-3502).

Students round out the nine-course major with five or six electives. Seniors designate one of their papers in the last as their senior project, to be developed in close consultation with faculty.

Required Courses
Ital 3015—Reading, Conversation, and Composition (prerequisite for all upper division courses)
Ital 3201—Reading Italian Texts: Poetics, Rhetoric, Theory (prerequisite for all 4xxx and 5xxx courses)
Ital 3501—The World in the City: Italy 1100-1660
Ital 3502—Making of Modern Italy: From the Enlightenment to the Present
Five electives (3xxx, 4xxx, or 5xxx, except courses taught in English)

Electives—Courses in other departments (such as history, art history, immigration study) may be counted for the major by consent of the major adviser (coursework must be wholly or partially in Italian language).

Final Project
Majors designate one of their term papers in their last as a special final project for development in close consultation with faculty.

Minor Requirements

Prerequisite Courses
Ital 1001-1004 or equivalent

Required Courses
At least 19 credits beyond prerequisites taken from the following:
Ital 3015—Reading, Conversation, and Composition (prerequisite for all upper division courses)
Ital 3201—Reading Italian Texts (prerequisite for all 4xxx and 5xxx courses)
Japanese

Institute of Linguistics and Asian and Slavic Languages and Literatures

B.A.
The program allows students to study classical and contemporary Japanese language and society. Coursework includes three areas: language, literature, and culture. Students must plan their major programs in consultation with faculty advisers.

Admission Requirements—Required preparatory courses for admission to the undergraduate major include Jpn 1011-1012—Beginning Japanese and Jpn 3021-3022—Intermediate Japanese. All courses in the major program, including prerequisite courses, must be completed with a grade of C- or above.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 36 in the major.

Four years of language study are required. The major also includes courses in Japanese literature (including an introductory course in English translation and at least one course working with literary texts in Japanese) and in Japanese linguistics. Students must also complete a major project, normally in conjunction with a 5xxx course.

Required Courses
Requirements for the B.A. degree include language courses, a linguistics course, a course in literature in English translation, and three additional courses.

The language courses are: Jpn 3031, 3032—Third Year Japanese, Jpn 4061 or 4062—Classical Japanese, and Jpn 4041, 4042—Advanced Japanese Conversation and Composition.

The course in linguistics is Jpn 3451—Introduction to Japanese Linguistics. The introductory literature course must be chosen from among Jpn 3162, 3163, and 3164.

Students must take three additional courses with the Jpn designator, including one at the 5xxx level.

Ling 3001—Introduction to Linguistics is a prerequisite for all Japanese linguistics courses.

Electives—Students are encouraged to take courses offered by other departments that focus on Japanese culture, such as art history, history, political science, or sociology.

Language Requirements
The program requires four semesters of study beyond the four-semester CLA requirement.

Final Project
Students must complete a senior project under the direction of a department faculty member. Students may choose to concentrate on linguistics or literature, and should select their elective 5xxx-level courses with the senior project in mind. Occasionally a special course is offered for juniors and seniors, which focuses on choosing a topic, reviewing literature, doing research in both English and Japanese sources, and structuring arguments in a piece of extended writing.

Minor Requirements
The requirements for a Japanese minor include Jpn 3021, 3022—Intermediate Japanese and two additional 3xxx or 5xxx Japanese courses.

Jewish Studies

Department of Classical and Near Eastern Studies

B.A.
This broad, interdisciplinary field studies the civilization of the Jewish people from its beginnings in biblical antiquity to the present. The diverse quality of Jewish civilization and the unifying forces of its religion and language offer ample material for the study of continuity, adaptation, and change.

The undergraduate program offers courses in the Bible, Jewish history, Jewish literature, midrash, Jewish philosophy, medieval and modern Jewish studies, Talmud, and rabbinics. The program has links with the departments of American Studies, sociology, history, English literature, German, music, and political science.

The University’s Center for Holocaust and Genocide Studies offers courses related to the study of the Nazi Holocaust and its aftermath.

For related coursework and major programs in Hebrew language and literature and ancient Near Eastern studies, see other listings under the Department of Classical and Near Eastern Studies.

Study abroad in Israel or Europe is encouraged as a valuable augment to the major; consult the University’s Global Campus office for further information.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 30 credits in the major.

The program seeks to
• give students substantive understanding of the historical, religious, literary, philosophical, sociological, and political experiences of the Jewish people.
• demonstrate how scholars of diverse academic disciplines conceptualize and examine issues in their field. Students will learn how to approach the same subject with different perspectives and methodologies.

The program joins humanistic and social scientific approaches to learning. The principal disciplines represented in the program are the Hebrew and Aramaic languages (Yiddish and Arabic when available), history, literature, religious studies, archaeology, art, American studies, women’s studies, political science, and sociology.

Required Courses
JwSt 3034—Introduction to Judaism

Students must also complete at least 30 additional credits, distributed as follows:

1. 18 credits in courses of 3xxx-level or above in Jewish languages and literature, social sciences, and philosophy and religion. The major focus of the courses, chosen with adviser approval, should be on the Jewish people and Judaism. At least one course must utilize the methods of the social sciences (sociology, political science) and at least one course must utilize the methods of the humanities (religious studies, history, literature).

2. 6 credits of paired courses. “Paired” courses are courses either from within or outside the Department of Classical and Near Eastern Studies that allow comparison with a related topic in Jewish studies. For example, a pair might consist of JwSt 3034—Introduction to Judaism, and RelA 1031—Introduction to the Religions of South Asia. A Jewish Studies adviser will help students construct clusters to suit their interests and educational objectives.

3. Anth 3045—Religion and Culture

4. JwSt 3951—Major Project
Language Requirements
All majors must complete at least two years of Hebrew language study, including Hebr 1001-1002—Beginning Hebrew I-II and Hebr 3011-3012—Intermediate Hebrew I-III. The course sequence of Hebr 3201-3202—Readings in Biblical Hebrew I-II may be substituted for Hebr 3011-3012.

Final Project
A senior project is required, though double majors in Hebrew and Jewish Studies are required to complete only one senior project. The project generally takes the form of a paper, but other forms of project may be considered.

Minor Requirements
Hebr 1001, 1002—Beginning Hebrew I-II or equivalent, as certified by the adviser, JwSt 3034—Introduction to Judaism, and Hebr 3011, 3012—Intermediate Hebrew I-III. At least 6 additional credits of related coursework at the 3xxx level or higher must be chosen in consultation with the adviser. These courses may include courses in Jewish literature of any period or genre, Holocaust studies, and social science courses related to the study of the Jewish people or their religion and culture. All courses at the 3xxx level must be taken A-F.

Journalism and Mass Communication
School of Journalism and Mass Communication
B.A.
The school offers two tracks of B.A. major programs: professional and mass communication.

Admission Requirements—The school admits a limited number of undergraduates annually. A student should apply for formal admission to the major after completing Jour 1001 with at least a C-, taking the SAT II Writing Test and completing at least 30 graded (A-F) credits, including one semester of study (12 credits minimum with A, B, or C grades) in CLA. Admission to major status is required before enrolling in Jour 3004, which is a prerequisite for most other journalism courses. Majors must pass a keyboarding test at 40 wpm with 6 or fewer errors before enrolling in Jour 3101 or any advanced reporting, editing, or broadcast courses.

Students wishing to emphasize journalism in IDIM (Individually Designed Interdepartmental Major), B.I.S. (Bachelor of Individualized Studies), or ICP (Inter-College Program) must have a 2.80 overall GPA, a grade of C- or higher in Jour 1001, and a score of 550 or above on the SAT II Writing Test to qualify for admission. Individualized program students must include Jour 3004 in their programs.

A 2.80 overall GPA is required for students in the Program for Individualized Learning who wish to include journalism courses in their programs.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 33 credits in the major.

About three-fourths of the coursework for the B.A. degree is outside of journalism in the social sciences, humanities, and other liberal arts. The 120-credit requirement must include at least 90 non-journalism credits, including 65 CLA credits. The introductory course Jour 1001—Introduction to Mass Communication (3 cr), counts toward the 90 non-journalism credits, but is also included as part of the 33 major credits.

Journalism courses are categorized in the following way.

Professional (skills) courses: 3101, 3121, 3155, 3159, 3173, 3179, 3201, 3241, 3251, 3321, 3451, 4131, 4155, 4159, 4171, 4174, 4261, 4263, 4321, 4441, 4442.

Enrichment courses: 3006, 3007, 3008, 3614, 3741, 3745, 3771, 3776, 3796, 4251, 4274, 4316, 4501, 4531, 4611, 4615, 4721, 4725, 4726, 4731, 4801, 5541, 5601, 5606, 5741, 5771, 5777, 5825.

Independent study courses: 3990, 3993, 3996, 4993, 5990, 5993.

Mass Communication Track
The mass communication track is for students who wish to study the economic, political, legal, and social aspects of mass communication. Students may develop a program emphasis in areas such as history, law, media effects, media industry studies, international communication, or other aspects of mass communication studies represented in the school.

Required Courses
Students must complete the required core course of Jour 3004—Information for Mass Communication, with at least a C-.

At least 27 additional 3xx, 4xx, or 5xx credits. This requirement includes 12 credits of mass communication core courses, including one course from each of these groups:

I. History: Jour 3007, 3614, 5601, 5606, 4611, 4615
II. International/Multicultural: Jour 3741, 5741, 4801, 5825
III. Media Effects: Jour 3006, 3008, 4251, 4316, 4501, 4531, 5541
IV. Media and Society: Jour 3745, 3771, 3776, 3796, 4274, 4721, 4725, 4726, 5771, 5777

The 27-credit requirement also includes 15 credits chosen in consultation with a faculty adviser from among the following:

Professional (skills) courses*, enrichment, and independent study courses. *With adviser approval, 1-3 professional (skills) courses are permitted, not required.

Supporting coursework includes at least 12 credits at the 3xx, 4xx or 5xx level from other University departments, chosen in consultation with a faculty adviser after admission to the major.

Completion of EngC 1011—University Writing and Critical Reading (or equivalent or exemption) and two writing intensive courses outside journalism.

Final Project
All journalism majors must complete a major project before graduation. For the mass communication track, this requirement is satisfied by completing two 4xxx or 5xxx enrichment courses with grades of C- or better.

Professional Track
The professional track prepares students for careers in journalism, advertising, and public relations. These careers include newspaper reporting and editing, magazine writing, broadcast news, corporate public relations, and advertising account services. This track is based on a broad liberal arts foundation, knowledge of the social and professional responsibilities of communicators, and basic competence in journalistic skills.

Required Courses
The required core course is Jour 3004—Information for Mass Communication, with at least a C-.

Other requirements include at least 27 additional 3xx, 4xx, or 5xx credits to include completion of either a journalism or advertising/public relations concentration.

Journalism Concentration
Four credits of journalism core course: Jour 3101—Newswriting and Reporting, with a C- or higher grade.

12 credits of professional (skills) courses chosen in consultation with a faculty adviser from the following list: Jour 3121, 3159, 3173, 3179, 3321, 3451, 3996, 4131, 4155, 4159, 4171, 4174, 4321, 4441, 4442, and 3990 or 5990 (specialized reporting courses, including Charnley course).

12 credits of enrichment or independent study courses chosen in consultation with a faculty adviser.
Advertising/Public Relations Concentration

3 credits of core course: Jour 3159—Public Relations or Jour 3201—Principles of Advertising, with a C- or higher grade.
12 credits professional (skills) courses chosen in consultation with a faculty adviser from the following list: Jour 3179, 3241, 3251, 3231, 3996, 4159, 4261, 4263, 3990 or 5990 (specialized topics courses). With adviser’s approval, 3101 may be used to meet this requirement.
12 credits of enrichment or independent study courses chosen in consultation with a faculty adviser.
Supporting coursework includes at least 12 credits at the 3xxx, 4xxx, or 5xxx level from other University departments, chosen in consultation with a faculty adviser after admission to the major.
Completion of EngC 1011—University Writing and Critical Reading (or equivalent or exemption) and two writing intensive courses outside journalism.

Final Project
Majors must complete a major project before graduation. For the professional track, this requirement is satisfied by completing two professional (skills) courses (at least one must be 4xxx or 5xxx) with grades of C- or better.

Minor Requirements
Students must complete 18 credits in the minor program.
Jour 1001—Introduction to Mass Communication, Jour 3004—Information for Mass Communication, Jour 3101—Newswriting and Reporting or Jour 3159—Public Relations or Jour 3201—Principles of Advertising and three enrichment courses, one of which must be 4xxx or 5xxx.
Students must have a 2.80 overall GPA, a grade of C- or higher in Jour 1001, and a score of 550 or above on the SAT II Writing Test to qualify for admission to the minor program.

Latin

Department of Classical and Near Eastern Studies

B.A.

To study the Latin language is to see the means of human communication stripped to its bare essentials. It is also the way to enjoy a large range of literature written over more than a millennium and a half. The major in Latin is concerned with the language and literature of the Roman Republic and Empire and later Latin literature from the Middle Ages and Renaissance, as well as with Roman religion, history, archaeology and art. It is in its essence interdisciplinary; it also has connections with the study of Greek and other ancient languages and cultures, as well as with the majors in classical civilization and religious studies and minors such as medieval studies.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 30 credits in the major.
The major in Latin has two principal parts, the reading of Latin authors and the study of ancient and mediaeval civilizations from the broad range of courses offered by the University. The Latin authors include poets such as Virgil and Catullus, historians like Livy and Ammianus, and orators, especially Cicero, as well as later Latin writings like the Confessions of Augustine.
The study of civilization may include courses in Greek and other ancient languages, but at least one must be concerned with history, religion, art, or archaeology. A senior project is also required; double majors in Latin and Greek must complete only one senior project.

Required Courses

Prerequisites
Latin 1002 or 1111/1112 or 3111/3112 or 4 yrs high school Latin and one of Clas 1004, 1005, 1006, 1023/3023, 1024/3024

Upper Division Requirements
14 credits in Latin courses at 3113 or above
12 credits of related coursework, of which one course must be in culture, history, religion, art or archaeology above 3000, and the rest may be additional Latin or Greek courses at 3113 or above, any Classics courses above 3000, or other courses in history, art, medieval studies, etc., with approval of director of undergraduate studies
4 credits of senior project (not required if this is the second major of a Latin-and-Greek double major)

Any of the above courses when cross-listed as ArtH, RelA, Hebrew, MeSt, etc.
Courses above 3xxx in history and art history concerned with Greek, Roman and some medieval topics, and archaeological courses in anthropology by arrangement with the director of undergraduate studies.

Language Requirements
14 credits at Latin 3113 and above (college requirement fulfilled with 3114).

Final Project
A senior project is required, although double majors in Latin and Greek are required to complete only one senior project. The project generally takes the form of a paper, but other forms (e.g., oral performance of Latin literature) may be considered.

Minor Requirements
The minor program permits those who have satisfied the language requirement with Latin to use their knowledge to read more widely in Latin authors of antiquity and the Middle Ages and to add to their knowledge of Roman and medieval civilization.

Prerequisites
Latin 1002 or 1111/1112 or 3111/3112 or 3113 or 4 yrs high school Latin and one of Clas 1004, 1005, 1006, 1023/3023, 1024/3024.

Upper Division Requirements
Eleven credits in Latin courses at 3113 or above; 3 credits of related coursework at 3xxx level or higher, which may include courses in Latin, Greek, other ancient languages, Classics courses and other courses in history, history of art, religion, archaeology.

Latin American Studies

Institute for Global Studies

B.A.
The proximity of Latin America to the United States and the long history of interaction with the region provides a strong incentive for the study of Latin America. The program offers a wide range of interdisciplinary courses in several Twin Cities campus colleges and through foreign study programs. Students are especially encouraged to include courses conducted in Spanish or Portuguese in their programs, whether they are offered abroad or on campus. Students can choose a special thematic or regional concentration (for example, human rights, women in Latin America, economic development, Brazil, Mexico, the Caribbean).
Admission Requirements—Students are admitted to the program upon completion of premajor requirements and formal enrollment in the major at the Area Studies Programs office (214 Social Sciences Building). All premajor and major courses must be taken A-F and completed with a grade of C- or better.

To be accepted into the major, students must complete the following requirements: at least 30 credits and good standing in CLA; at least two semesters of Spanish or Portuguese (or equivalent, as determined by the relevant language department); and Area 3144—Introduction to Area Studies.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 37 credits in the major.

The program’s interdisciplinary approach emphasizes the humanities and social sciences to examine a topical theme in a Latin American location. This approach requires proficiency in a foreign language, a theoretical framework, broad knowledge of the area in question, and a concise understanding of the topical focus. Students take courses across disciplinary boundaries that include, but are not restricted to, several CLA departments.

Required Courses

Methods
One course of at least 3 credits dealing specifically with approaches to and/or methods of scholarly inquiry in the social sciences or humanities, depending on the nature of the student’s major program.

Breadth
Core set of 3xx-5xxx courses that address Latin America as a holistic region, including Geog 4121—Latin America; Hist 3401—Early Latin America to 1825 or Hist 3402—Modern Latin America 1825 to Present; and one course of at least 3 credits in the humanities (such as art, dance, literature).

Concentration
At least five 3xxx-5xxx courses (15 credits), including two courses (3 credits each) in upper division humanities, literature or culture courses and two courses (3 credits) in upper division social science or history; and Area 4504—Senior Project.

For a complete list of Latin American Area Studies courses, see an Area Studies Program adviser.

Electives—Consult the Area Studies Programs office for course approval.

Language Requirements
The minimum foreign language requirement for the major may be fulfilled by successful completion of one of the following: (1) three years (totaling six semesters) of Spanish or Portuguese language sequence, including either Span 3015—Spanish Composition and Communication or Port 3003—Portuguese Conversation and Communication and one other Port or Span 3xxx course. Topical courses taught as part of the Foreign Language Immersion Program (FLIP)/Spanish may qualify as alternatives to a 3xxx course; (2) at least four semesters of a Spanish or Portuguese language sequence and at least four semesters of language study in a second appropriate language; (3) at least four semesters of Spanish or Portuguese and an approved study abroad experience in Latin America. Students choosing a concentration with a Caribbean focus can petition to substitute a comparable level of French or Dutch for the Spanish or Portuguese requirements.

Note: Proficiency examinations and evaluations are provided by relevant language departments.

Minor Requirements
The minor requires successful completion of Span 1004 or Port 1104 (or equivalent), plus five 3xxx-5xxx courses (totaling at least 15 credits) related to Latin America. Courses must include Geog 4121—Latin America; Hist 3401—Early Latin America to 1825 or Hist 3402—Modern Latin America 1825 to Present; 6 credits of humanities; and 3 additional credits.

A maximum of 3 credits may be in directed studies or directed research and courses must be drawn from a minimum of three different departments. All courses must be taken A-F, with a grade of C- or better. The minor program must be approved by the area studies adviser.

Linguistics

Institute of Linguistics and Asian and Slavic Languages and Literatures
B.A.
Linguistics is the scientific study of human language. Courses explore the principles governing the structure of natural languages, how language is used in human social interaction, how languages are acquired by children and adults, and how they change over time.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 30 credits in the major.

The program offers two coursework options, both building on a common core of courses including an introduction to linguistics and single courses in phonetics and historical linguistics and capped by the senior project.

In addition, Option 1 requires one course in syntax and one in phonology plus 9 additional credits. Option 2 requires a course in linguistic analysis (covering both syntax and phonology) plus 12 additional linguistic credits. Students intending to pursue graduate study in linguistics are advised to select Option 1.

Related courses in other departments may be applied to the major with the approval of the director of undergraduate studies. At least seven of the preceding courses must be taken A-F.

Required Courses
Ling 3001 or 5001 or 3011
Ling 3301 or 5301
Ling 3601 or 5601
Ling 4901—Senior Project

Option 1
Ling 5201—Introduction to Syntax
Ling 5302—Introduction to Phonology
9 additional credits in 3xx or 5xxx linguistics courses excluding 4002, with no more than 6 in any one area, such as phonology or syntax

Option 2
Ling 4002—Linguistic Analysis
12 additional credits in 3xx-5xxx linguistics courses, excluding 5201 and 5302, with no more than 9 in any one area.

One course in the history and/or structure of a language studied for at least one year at college level (or with equivalent knowledge of the language). If such a course is not available, Ling 5931—Fundamentals of Contemporary English or a similar course may be taken with the approval of the director of undergraduate studies.

Electives—Related courses in other departments may be applied to the major with the approval of the director of undergraduate studies.
The University of Minnesota Marching Band has nearly 300 members. It was formed in 1892 as a Cadet Corps with only 29 musicians.

Language Requirements
Three years of college study in one foreign language or two years in one language and one year in a second language. This requirement may be satisfied by examination.

Final Project
Students must complete Ling 4901—Senior Project with a grade of S. The usual requirement for this course is the revision and sometimes expansion of a paper written for another linguistics course, but it may involve an original research paper.

Minor Requirements
The minor program must total at least 14 upper division credits and must be approved by the director of undergraduate studies.

Option 1
3001, 3301, 5201, 5302

Option 2
3001, 4002, two additional courses.

Mathematics

School of Mathematics

B.A.
The School of Mathematics offers a program leading to a B.A. degree through CLA. The course of study is very flexible and can be adapted to satisfy a wide variety of interests and needs. Programs can focus on preparation for graduate study in mathematics or teaching in secondary school, or can emphasize various fields of interest such as applied mathematics, computer science, or actuarial science.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 40 credits in the major. Students must complete a lower division mathematics sequence of five semesters (or four if in the honors sequence). Then students must take six upper division mathematics courses, including two courses in algebra and two courses in analysis; a senior project is also required.

Math majors must take all required mathematics and composition courses A-F and must earn a grade of C- or better in all of those courses.

Required Courses
To fulfill the lower division requirement, students must complete one of the following sequences:
Math 1271-1272-2243-2263-2283
or Math 1371-1372-2373-2374-2283
or Math 1571-1572-2573-3574.
To fulfill the upper division requirements, students must complete six upper division math courses*, plus a senior project.

Of these six courses, two must be chosen from a list of courses certified to satisfy the algebra requirement. Similarly, two courses must be chosen from a list certified to satisfy the analysis requirement. These lists may be updated from time to time.

To satisfy the algebra requirement, a student must take two courses from this list: Math 5285, 5286, 4242, 5248, 5251, 5711, 5385; 5705 or 5707 (only one of 5705 or 5707 may be used to satisfy this requirement).
To satisfy the analysis requirement, a student must take two courses from this list: Math 5615, 5616, 4606, 5525, 5535, 5587, 5583, 5651, 5652, 5654, 5486.

* The following upper division mathematics courses cannot be used to satisfy part of the six course upper division math requirement:
Math 4457 or 4458—Methods of Applied Math I or II, 4512—Differential Equations with Applications, 3113 or 3118—Topics In Elementary Mathematics I and II

Electives—The School of Mathematics will accept the following courses from other departments as part of the six-course upper division mathematics requirement:

CSci 5301, CSci 5302, Stat 5101, Stat 5102.

Note: The content of Stat 5101 is the same as Math 5651—Basic Theory of Probability and Statistics.

Final Project
All CLA math majors must complete a senior project.

Minor Requirements
Complete all lower division requirements for the major, plus two approved upper division math courses.

Medieval Studies

Center for Medieval Studies

Minor Only
The minor in medieval studies covers the period of roughly between 300 and 1500 A.D. It includes the history, art, history, theater and music history, literature, and languages of the period including Latin, French, Italian, English, Old English, Scandinavian, and German.

The program allows students with an interest in the medieval period or planning to pursue graduate work in one of the related areas to concentrate their studies as a coherent whole.

Degree Requirements
Fifteen credits at the 3xxx, 4xxx, or 5xxx level chosen in consultation with the director of undergraduate studies of CLA’s Center for Medieval Studies from approved course lists.

Minor Requirements
Medieval Studies offers only a free-standing minor at the undergraduate level. All courses applicable to the minor originate in other departments. Many of these are cross-listed as MeSt 3610—Topics in Medieval Studies, 4610—Intermediate Topics in Medieval Studies, and 5610—Advanced Topics in Medieval Studies. A list of these and other courses applicable to the minor can be obtained from the Center for Medieval Studies.

Microbiology

Department of Microbiology

B.A.
Microbiology examines the nature and activities of microorganisms, the distinctive microscopic life forms that recycle the elements in aquatic, atmospheric, and soil environments. The field has applications for fields of industry, agriculture, and medicine. As remarkably useful model systems for research, microorganisms play a key role in the development of modern biology. This program prepares students for graduate study or professional work in microbiology.

Degree Requirements
To complete the degree, students must complete 120 credits, including 66 credits in the major.

Introductory courses in biology, chemistry, math, and physics are required. In addition, students complete a biochemistry course, a genetics course, MicB 3301—Biology of Microorganisms, four microbiology electives, and two advanced laboratory courses.
Required Courses
I. Choose introductory biology sequence A, B, or C:
   A. Biol 1001–1002—Introductory Biology I-II
   B. Biol 1009, Biol 3211 and Biol 2005
   C. Biol 1009, Biol 3002 and Biol 3005
II. Choose one biochemistry course from BioC 3021 or BioC 4331
III. Choose one genetics course from GCB 3022 or Biol 4003
IV. MicB 3301—Biology of Microorganisms
V. Choose four microbiology courses from MicB 4111, MicB 4121, MicB 4131, MicB 4141, MicB 4151, MicB 5352
VI. Choose advanced laboratory sequence A or B:
   A. MicB 4215, MicB 4235
   B. MicB 4215 or MicB 4235 plus 6 credits of MicB 4994
Math 1271-1272—Calculus I-II
Chem 1021-1022—Chemical Principles I-II
Chem 2301-2302—Organic Chemistry I-II
Phys 1301-1302—Introductory Physics I-II
or Phys 1201-1202—General Physics I-II

Final Project
Students must complete 6 credits of MicB 4993—Directed Studies or MicB 4994—Directed Research.
Internships are not required but are available. For more information, contact the Office of Student Services in CBS or the University’s Office of Special Learning Opportunities (OSLO).

Music

School of Music

B.A.
The B.A. program is for students who wish to major in music while enrolling in a diversified program of elective coursework outside the major.

Admission Requirements—Admission to the music program requires an audition and placement in a suitable level of applied music study. Transfer students are placed on the basis of an entrance audition and examinations in music theory, music history, and piano.

Students should consult with a School of Music adviser in selecting appropriate courses. All music courses required for a degree must be taken A-F; no S-N credits will count toward the degree requirements. Students must earn a grade of C- or better in major courses to satisfy degree requirements and to progress in sequence courses.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 53 credits in the major.

Major requirements include five semesters of music theory, four semesters of musicology/ethnomusicology, and four semesters of applied music and ensembles. Additional work in piano and music research is also required.

Required Courses

Music Theory and Ear Training (19 cr)
Mus 1501, 1502—Foundations of Musical Theory: Analysis and Ear-Training I-II
Mus 3501, 3502—Theory and Analysis of Tonal Music III-IV
Mus 5501—Intensive Theory and Analysis of 20th-Century Music

Musicology/Ethnomusicology (12 cr)
Mus 1801—Music, Society, and Cultures
Mus 3601, 3602, 3603—History of Western Music I-III

Keyboard (4 cr)
Mus 1151—Piano: Class Lessons I
or Mus 1155—Keyboard Skills I
Mus 1152—Piano: Class Lessons II
or Mus 1156—Keyboard Skills II

Applied Music (8 cr)
MusA 13xx (major instrument or voice)

Ensembles (4 cr)
Mus 3230—Chorus or Mus 3410—University Wind Bands
or Mus 3420—Orchestra

Music Research (3 cr)
Mus 3995—Major Project

Music Electives (3 cr)
Mus 55xx, 56xx, or 58xx

Final Project
A final research project is required.

Minor Requirements
A minor in music is available for students majoring in other fields. An entrance audition is required. The following coursework must be completed with grades of C or better:

Music Theory and Ear Training (7 cr)
Mus 1501, 1502—Foundations of Musical Theory: Analysis and Ear-Training I-II

Musicology/Ethnomusicology (6 cr)
Two courses selected from the following
Mus 1801—Music, Society, and Cultures
Mus 3601, 3602, 3603—History of Western Music I-III

Keyboard (4 cr)
Mus 1151—Piano: Class Lessons I
or Mus 1155—Keyboard Skills I
Mus 1152—Piano: Class Lessons II
or Mus 1156—Keyboard Skills II

Applied Music (4 cr)
MusA 13xx (major instrument or voice)

Ensembles (2 cr)
Mus 3230—Chorus
or Mus 3410—University Wind Bands
or Mus 3420—Orchestra
Music Education

School of Music

B.M.

The B.M. in music education is offered with two concentrations: instrumental/general or choral/general music.

Admission Requirements—See Music B.A. for admission requirements.

In addition, students must meet the School of Music entrance requirements for performance in one of the following areas of applied music: voice, piano, organ, classical guitar (for the choral/general concentration); a standard band or orchestral instrument (for the instrumental concentration); an extensive background in high school instrumental or vocal music ensembles is expected. Private lessons in voice or on a band/orchestral instrument are recommended. Precollege preparation in music theory, music history, conducting, piano, and youth leadership activities also prove helpful.

Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 97.5 credits in the major.

Required Courses

Music Theory and Ear Training (15 cr)
Mus 1501, 1502—Foundations of Musical Theory: Analysis and Ear-Training I-II
Mus 3501, 3502—Theory and Analysis of Tonal Music III-IV

Musicology/Ethnomusicology (12 cr)
Mus 1801—Music, Society, and Cultures
Mus 3601, 3602, 3603—History of Western Music I-III

Keyboard (4 cr)
Mus 1151—Piano: Class Lessons I
Mus 1152—Piano: Class Lessons II
Mus 1155—Keyboards Skills I (2 cr)
Mus 1156—Keyboards Skills II (2 cr)

Conducting (2 cr)
Mus 3401—Basic Conducting (2 cr)

Professional Education (10.5 cr)
EdHD 5001—Learning, Cognition, and Assessment in the Schools
EdHD 5002—Developmental and Individual Differences in Educational Contexts
EdHD 5005—School and Society
EdHD 5009—Human Relations: Applied Skills for School and Society
PubH 5003—Fundamentals of Alcohol and Drug Abuse

In addition to the above coursework, students must choose and complete the coursework for one of the following concentrations.

Instrumental/General Music Education Concentration

Students successfully completing the program will meet licensure requirements to teach band, orchestra, and general classroom music to grades K-12 in Minnesota.

Required Courses (36 cr)
Mus 1260—Voice Class
MuEd 1201—Introduction to Music Education
MuEd 3301—Teaching Elementary Vocal and General Music
MuEd 3302—Teaching Secondary General Music
MuEd 3502—String Techniques and Teaching
MuEd 3503—Woodwind Techniques and Teaching
MuEd 3504—Brass Techniques and Teaching
MuEd 3505—Percussion Techniques and Teaching
MuEd 3516—Instrumental Music Methods
MuEd 3530—Student Teaching in Classroom Music (4 cr)
MuEd 3550—Student Teaching in Instrumental Music (6 cr)

Applied Music (12 cr)
At least six semesters (12 credits) on a major instrument (standard band or orchestral instrument). Includes 8 credits of lower division major lessons (13xx) and 4 credits of upper division major lessons (33xx).

Ensemble (7 cr)
Band or orchestra required during six semesters of on-campus study, to be selected in consultation with your adviser. Marching band experience is recommended if your major performance instrument is in winds or percussion. Choose 6 credits from any of the following: Mus 3410—University Wind Bands, Mus 3480—Marching Band, or Mus 3420—Orchestra.

Chamber ensemble is required during one semester of on-campus study. Choose 1 credit from any of the following: Mus 3340—Jazz Ensemble, Mus 3350—Jazz Combo, Mus 3440—Chamber Ensemble, Mus 5430—Concerto Grosso Ensemble, Mus 5470—Woodwind Chamber Ensemble, Mus 5480—University Brass Choir, Mus 5490—Percussion Ensemble.

Choral/General Music Education Concentration

This program is for students majoring in voice, keyboard, or classical guitar who want to teach choral and classroom music in the elementary and secondary schools. Students successfully completing the program will meet licensure requirements to teach choral and general classroom music to grades K-12 in Minnesota.

Required Courses (25 cr)
MuEd 1201—Introduction to Music Education
MuEd 3301—Teaching Elementary Vocal and General Music
MuEd 3302—Teaching Secondary General Music
MuEd 3350—Student Teaching in Classroom Music
MuEd 3415, 3416—Choral Conducting and Methods I-II
MuEd 3450—Student Teaching in Vocal Music

Applied Music (18-22 cr)
At least seven semesters (14 credits) in piano, voice, or classical guitar is required, including 8 credits of lower division major lessons (13xx) and 6 credits of upper division major lessons (33xx). For non-vocal majors, MusA 1404—Voice-Secondary is required (4 cr), for non-piano majors, MusA 1401—Piano-Secondary is required (4 cr).

Ensemble (7 cr)
Mus 3230—Chorus or Mus 5240—Chamber Singers is required during seven semesters (1 cr each) of on-campus study, to be selected in consultation with your adviser.

Music Therapy

School of Music

B.M.

This program prepares students to use music to influence behavioral changes in children and adults in educational and medical environments.

Admission Requirements—See Music B.A. for admission requirements.

In addition, students must meet the School of Music entrance requirements for performance in one of the following areas of applied music: voice, piano, organ, classical guitar, or a standard band or orchestral instrument. An extensive background in high school instrumental or vocal music ensembles is expected. Private lessons in voice or on a band/orchestral instrument are recommended. Precollege preparation in music theory, music history, piano, conducting, and youth leadership activities also prove helpful.

Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 99 credits in the major.
Required Courses

**Music Theory and Ear Training (15 cr)**
Mus 1501, 1502—Foundations of Musical Theory: Analysis and Ear Training I-II
Mus 3501, 3502—Theory and Analysis of Tonal Music III-IV

**Musicology/Ethnomusicology (12 cr)**
Mus 1801—Music, Society, and Cultures
Mus 3601, 3602, 3603—History of Western Music I-III

**Keyboard (4 cr)**
Mus 1151—Piano: Class Lessons I
Mus 1155—Keyboard Skills I
Mus 1152—Piano: Class Lessons II
Mus 1156—Keyboard Skills II

**Conducting (2 cr)**
Mus 3401—Basic Conducting

**Music Therapy (48 cr)**
MuEd 1801—Introduction to Music Therapy
MuEd 3800—Introduction to Clinical Music Therapy Practice
MuEd 3801—Psychology of Music
MuEd 3804—Applications of Music Therapy I: Music Therapy for Children in Rehabilitative Settings
MuEd 3805—Applications of Music Therapy II: Music Therapy in Long Term Care and Psychiatric Care
MuEd 3806—Preparing for a Music Therapy Career
MuEd 3835—Music Therapy Internship (6 months, full time)
MuEd 3415—Choral Conducting and Methods I
MuEd 3502—String Techniques and Teaching
MuEd 3503—Woodwind Techniques and Teaching
MuEd 3504—Brass Techniques and Teaching
MuEd 3505—Percussion Techniques and Teaching

**Applied Music (12 cr)**
Minimum six semesters (12 credits). Includes 8 credits lower division major lessons (13xx) and 4 credits secondary lessons (14xx).

**Ensemble (6 cr)**
Six semesters (1 cr each) of on-campus study to be selected in consultation with your adviser.

**Final Project**
A six-month internship is required upon completion of all coursework. You should meet with your major adviser early in the spring semester of your junior year to plan the internship. You must have completed all coursework to be eligible for register for MuEd 3855—Music Therapy Internship (12 cr).

**Music-Jazz Studies**

**School of Music**

**B.M.**
The B.M. program is for students who wish to complete professional studies in jazz. The program includes core studies in music, and coursework in the theory, history, and performance of jazz.

**Admission Requirements**—See Music B.A. for admission requirements.

**Degree Requirements**
To complete the degree, students must complete at least 120 credits, including at least 78 credits in the major.

**Required Courses**

**Music Theory and Ear Training (15 cr)**
Mus 1501, 1502—Foundations of Musical Theory: Analysis and Ear Training I-II
Mus 3501, 3502—Theory and Analysis of Tonal Music III-IV

**Musicology/Ethnomusicology (12 cr)**
Mus 1801—Music, Society, and Cultures
Mus 3601, 3602, 3603—History of Western Music I-III

**Keyboard (4 cr)**
Mus 1151—Piano: Class Lessons I
Mus 1155—Keyboard Skills I
Mus 1152—Piano: Class Lessons II
Mus 1156—Keyboard Skills II

**Conducting (2 cr)**
Mus 3401—Basic Conducting

**Applied Music (32 cr)**
MusA 13xx (8 cr)
MusA 33xx (24 cr)
Mus 0951—Senior Recital (0 cr)

**Jazz Studies (21 cr)**
Mus 3331, 3332—Jazz Improvisation I-II
Mus 3351, 3352—Jazz Piano Class I-II
Mus 5336—Jazz Arranging
Mus 5341—Jazz Pedagogy
Mus 5342—Jazz Theory
Afro 3108—Black Music: A History of Jazz
Afro 3301—Music of Black Americans

**Final Project**
A senior recital is required: Mus 0951—Senior Recital.

**Music-Performance**

**School of Music**

**B.M.**
The B.M. program is for students who wish to complete professional studies in performance.

**Admission Requirements**—See Music B.A. for admission requirements.

**Degree Requirements**
To complete the degree, students must complete at least 120 credits, including at least 78 credits in music.

**Required Courses**

**Music Theory and Ear Training (19 cr)**
Mus 1501, 1502—Foundations of Musical Theory: Analysis and Ear-Training I-II
Mus 3501, 3502—Theory and Analysis of Tonal Music III-IV
Mus 5501—Intensive Theory and Analysis of 20th Century Music

**Musicology/Ethnomusicology (12 cr)**
Mus 1801—Music, Society, and Cultures
Mus 3601, 3602, 3603—History of Western Music I-III

**Keyboard (4 cr)**
Mus 1151—Piano: Class Lessons I
Mus 1155—Keyboard Skills I
Mus 1152—Piano: Class Lessons II
Mus 1156—Keyboard Skills II

**Conducting (2 cr)**
Mus 3401—Basic Conducting
### Music-Performance

See departmental guidelines for ensemble requirements. A primary ensemble must be taken concurrently with major-level applied lessons.

### Major requirements in addition to the core curriculum:

- **String, Woodwind, Brass, and Percussion Majors**
  - Mus xxxx Chamber ensembles (4 cr)
- **Piano Majors**
  - Mus 0901—Junior Recital (0 cr)
  - Mus 5141—Piano Literature (2 cr)
- **Organ Majors**
  - Mus 0901—Junior Recital (0 cr)
  - Mus 5131, 5132—Advanced Keyboard Skills I-II (2 cr each)
  - Mus 5151, 5152—Organ Literature I-II (3 cr each)

### Voice Majors

- Mus 3261—Italian Diction for Singers (1 cr)
- Mus 3262—English Diction for Singers (1 cr)
- Mus 3263—German Diction for Singers (1 cr)
- Mus 3264—French Diction for Singers (1 cr)
- Mus 3241—Vocal Literature I: German Lieder (1 cr)
- Mus 3242—Vocal Literature II: French Melodie (1 cr)

Voice majors in the B.M. program must complete one semester each of French, German, and Italian. These language courses will substitute for the 8 credits of upper division elective coursework stipulated by CLA's outside-of-major requirement.

### Final Project

A senior recital is required for all programs in the Performance B.M. (Mus 0951—Senior Recital). Piano and organ majors also must prepare a junior recital (Mus 0901—Junior Recital).

### Phil 3005

- or Phil 3601—Scientific Thought (4 cr)

### Electives

- Students must complete at least three elective courses in philosophy. It is strongly recommended that one of these be a second course in the history of philosophy.

### Physics

#### School of Physics and Astronomy

**B.A.**

Physics studies the fundamental properties and interactions of all forms of matter. Experimental and theoretical investigations are combined to formulate mathematical relationships that describe and predict the behavior of nature.

The physics undergraduate program can prepare students for employment, often in an industrial or governmental laboratory. The program can also prepare students for further study at graduate or professional schools in physics, engineering, biophysics, medicine, education, law, or business.

The physics B.A. program is a liberal arts degree providing the flexibility to integrate a broad foundation in physics coursework in physics or other disciplines. The required courses form a minimum program—students preparing for a specific career path may want to take more physics courses than required. Electives should be chosen to customize the physics degree to the individual need of the student. Students should consult a physics adviser to help formulate objectives for undergraduate study.

#### Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 39 credits in the major.

This minimum must include six required lower division physics courses, two physics courses selected from the basic upper division physics courses, two upper division physics electives, and an additional physics project. Additional courses must include four lower division calculus courses and the remaining University liberal education requirements.

Physics majors must take all required physics and mathematics courses A-F and must earn a grade of C- or better in all of those courses (except those offered S-N only). Only students with grades of B or better in the introductory physics courses can generally expect to succeed in the major.

#### Required Courses

- **One history of philosophy course (4 cr each)**
  - Phil 3001—General History of Western Philosophy: Ancient Period
  - or Phil 3005—General History of Western Philosophy: Modern Period

- **One logic course (4 cr each)**
  - Phil 1001—Introduction to Logic
  - or Phil 5201—Symbolic Logic I

- **One epistemology course**
  - Phil 4105—Epistemology (3 cr)
  - or Phil 3601—Scientific Thought (4 cr)

- **One ethical theory course**
  - Phil 3311—Introduction to Ethical Theory (4 cr)
  - or Phil 4310—History of Moral Theories (3 cr)
  - or Phil 4320—Intensive Study of an Historical Moral Theory (3 cr)
  - or Phil 4321—Theories of Justice (3 cr)

- **Directed Studies, or Phil 4993—Directed Studies, or in conjunction with the Phil 3910—Major Seminar, Phil 3993—Directed Studies, or Phil 4993—Directed Studies.**
Final Project
A physics project is required. This can be satisfied by completion of Phys 4052—Methods of Experimental Physics II, in which case the 5 credits earned may be counted towards the 18-credit requirement specified under “Required Courses.” Other ways of satisfying the physics project requirement must be approved by the physics department.

Minor Requirements
The minor in physics requires 24 credits in physics and 12 credits in math, distributed as follows:
Math 1271, 1272, 2243 or Math 1371, 1372, 2373
Phys 1301, 1302, 2303 or Phys 1401, 1402, 2403
Phys 2201—Introductory Thermal and Statistical Physics
Phys 2601—Quantum Physics
Phys 2605—Quantum Physics Laboratory
3 credits in physics or astrophysics at 3xxx or above

Physiology

Department of Physiology

B.A.
This program concentrates on understanding the functions of the human body from individual cells to organ systems. It requires applying principles from a variety of physical and biological sciences.
This major is particularly appropriate for students who intend to enter medical school or graduate school and study any of a variety of biological or biomedical sciences. Required courses form a strong core in biomedical science. Students may tailor the overall degree program to specific needs. Some students may choose additional science courses in preparation for medical school or graduate school or take advantage of the freedom to pursue a more diverse undergraduate experience. Others may benefit from an opportunity to pursue a double major.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 27 credits in the major. Lower division preparation for the physiology major includes integral calculus, general chemistry, and one year of physics with laboratory. All students take physiology for majors, organic chemistry with laboratory, introductory biochemistry, genetics, and cell biology. In addition, two upper level elective courses are required. These courses are chosen from a variety of pre-approved options in science or mathematics. Students may petition the director of undergraduate studies to approve additional courses as electives. Honors students must also take two individualized honors courses in physiology, and summa candidates must write an approved summa thesis.

Required Courses
Phsl 3071—Principles of Physiology for Majors
Chem 2301—Organic Chemistry I
Chem 2302—Organic Chemistry II
Chem 2311—Organic Lab
BioC/Biol 3021 or BioC 3001 or BioC 4331—Biochemistry
Biol 4003—Genetics
Biol 4004—Cell Biology
Two electives from a broad range of math- or science-related courses

Political Science

Department of Political Science

B.A.
Political scientists study topics such as the exercise of power and influence; sources and resolution of conflicts; the relation of politics to the economy, culture, and other aspects of society; the adoption and implementation of public policies; and the development of political systems. These topics are studied at all levels, from local communities to the global community.
The scope of the discipline is reflected in the main areas of specialization that make up the undergraduate curriculum: political theory, comparative government and politics, international relations, politics and behavior, American governmental systems and processes, and public law.
In addition, undergraduates may choose from several optional concentrations: business and politics; campaigns and elections; citizenship and civic action; global politics; law and politics; democratization and development; political psychology, beliefs, and behavior; and public affairs.

Admission Requirements—All students must complete one 1xxx course in political science with a grade of C- or better before admittance to the major.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 32 credits in the major. The 32 credits must include at least 24 upper division credits. The required 3xxx, 4xxx, or 5xxx courses must include at least one course in each of three of the following four subfields: political theory, comparative government, American government and politics/politics and behavior/public law, and international relations. Up to 6 credits of internship and fieldwork courses can be counted toward the 24 credit upper division requirement.
Students must also complete a major paper with a grade of B or better.
In order to receive credit toward the major, all coursework must be taken A-F and grades of C- or better must be achieved. (The sole exception to this policy are those internship and fieldwork courses that are available only S-N.)
New Advanced Standing (NAS) students and transfer students from outside the University’s Twin Cities campus must complete at least 12 3xxx, 4xxx, and/or 5xxx credits in political science courses on the Twin Cities campus before graduation.
University students who enroll in a study abroad program through the Global Campus, the National Student Exchange Program, or elsewhere and who plan to take political science courses at other universities may transfer no more than twelve (12) upper division political science credits into their major program here.

Optional Concentrations
Students may earn an optional concentration designation by completing at least four courses from one of the concentrations listed below:

Business and politics: Pol 3085, 3110, 4481, 4833, 4889, 4307, 4308, 4315, 4327, 4523
Campaigns and elections: Pol 3110, 3085, 3225, 3471, 4461, 3766, 4737, 4767, 4306, 4308
Citizenship and civic action: Pol 3110, 3225, 3235, 3251, 3252, 3253, 5251, 5252, 5253, 4767, 4306, 3739, 4303, 3323, 4502
Global politics: Pol 3110, 3661, 3471, 3477, 5461, 3835, 3836, 5323, 5875, 5877, 5881, 5883, 5885, 5886, 5889
Law and politics: Pol 3110, 3679, 5655, 5656, 3872, 5657, 5881, 5883, 3309, 3331, 3323, 3561, 5501, 5502, 5523

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Political Science

Psychology

Religious Studies

Russian

Russian Area Studies

The psychology program has earned the rank of 7th in the nation according to the National Research Council's 1995 report. The psychology program has earned the rank of 7th in the nation according to the National Research Council's 1995 report.

Psychology

Department of Psychology

B.A.

Psychology examines human behavior through environmental, genetic, physiological, and social determinants and correlates. The department strives to train students with a strong general background in psychology and an ability to think clearly and critically in a wide variety of settings. Students must fulfill distribution requirements in a wide variety of psychological topics.

Faculty and students work with related University units, including the Institute of Child Development, the Department of Computer Science and Engineering, the Carlson School of Management, the departments of psychiatry and educational psychology, the Neuroscience Graduate Program, and affiliated research units within the department, such as the Center for Cognitive Science, the Center for Interest Measurement Research, and the Minnesota Center for Twin and Adoption Research. While a B.A. in psychology has proved to be a valuable and useful background for a wide variety of careers, a professional career as a psychologist requires further training.

Admission Requirements—Psy 1001—Introductory Psychology.

Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 36 credits in the major. Degree requirements include Psy 1001—Introduction to Psychology (or its equivalent) and Psy 3005—Introduction to Research Methods and Statistics. Students must also complete at least 24 additional credits of 3xxx, 4xxx, or 5xxx psychology courses, distributed across prescribed subject domains, and completion of Psy 3902—Major Project in Psychology.

All courses used to fulfill minimum requirements must be taken A-F, except Psy 3902, which may be taken A-F or S-N.

Transfer students must complete at least four upper division courses at the University to be awarded a major in psychology.

Required Courses

Psy 1001—Introduction to Psychology
Psy 3005—Introduction to Research Methods and Statistics

Minor Requirements

Undergraduate minors in psychology are offered in three tracks: general psychology, natural/biological science, and social science. All three tracks require completion of Psy 1001 and Psy 3005 plus four additional courses, for at least 20 credits.

General Psychology Track—One course from Group C, one course from Group D, one course from Group E, and one elective course from any of the groups.

Natural/Biological Science Track—Three courses from Group C, and one course from the following: Psy 3101, 3135 or 5135, 3137 and/or 5137, 3604 or 5604, 3666, 5202, 5204, 5205, 5206, 5207, 5606, CPsy 3301, CPsy 4303.

One course from the following: Psy 3135 or 5135, 3137 and/or 5137, 3711, 4801 (required for honors), 4501, 5121, 5136, 5138, 5501, 5701, 5702, 5703, 5705, 5862, 5865.

Electives from 3xxx, 4xxx, or 5xxx psychology courses to satisfy the minimum 36-credit requirement. (A total of two options from Psy 3900, 3993, 3994, and 3996 may be used as electives.)

Psy 3902—Major Project


Minor Requirements

Undergraduate minors in psychology are offered in three tracks: general psychology, natural/biological science, and social science. All three tracks require completion of Psy 1001 and Psy 3005 plus four additional courses, for at least 20 credits.

General Psychology Track—One course from Group C, one course from Group D, one course from Group E, and one elective course from any of the groups.

Natural/Biological Science Track—Three courses from Group C, and one course from the following: Psy 3101, 3135 or 5135, 3137 and/or 5137, 3604 or 5604, 3666, 5206, and 5606.

Social Science Track—Three courses from Group D, and one course from: Psy 3135 or 5135, 3711, 4501, 5138, 5501, 5701, 5702, 5703, 5705, and 5707.

Students select courses from the following three course groupings:

Group C Courses
Psy 3011, 3031, 3051, 3061, 5012, 5013, 5014, 5015, 5031, 5034, 5036, 5037, 5038, 5051, 5054, 5061, 5062

Group D Courses
Psy 3101, 3201, 3301, 3604, 3617, 3666, 5101, 5202, 5204, 5205, 5206, 5207, 5604, 5606

Group E Courses
Psy 3135, 3137, 3711, 4801, 4501, 5121, 5135, 5136, 5137, 5138, 5501, 5701, 5702, 5703, 5705, 5862, 5865

Religious Studies

B.A.

This program introduces students to the critical study of religions, particularly the religions of antiquity. To ensure direct experience of the central texts of at least one religious tradition there is a strong element of language study. Advanced courses are required in Judaism, classical paganism and Christianity, as well as in ancient philosophy and at least one other religious tradition. Concentration on the religious thought and practice of the distant past makes possible a longer perspective on religious issues and a balanced understanding of this important aspect of human behavior.
Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 31 credits in the major. The other, comprised of 24 credits, includes 6 credits of electives (which may include, but are not necessarily limited to, Bible, Greek, and Roman religion; religion in the ancient Near East; religion in late antiquity and early Middle Ages; philosophy and social science approaches to religion; and further language study if the reading is in religious texts) and courses on modern study of the Old Testament, the New Testament, either Greek and Hellenistic religion or Roman religion and early Christianity, the religious studies seminar, a comparative course on another religious tradition, and a course on philosophy. A senior project is also required.

Required Courses
RelA/ANE 3251—Modern Study of the Old Testament
RelA/Clas 3072/5072—The New Testament
RelA/Clas 3071/S071—Greek and Hellenistic Religions or RelA/Clas 3073/5073—Roman Religion and Early Christianity
Phil 3001—Ancient Philosophy or other appropriate philosophy course
One comparative course certified by the director of undergraduate studies (e.g., Islam, American religions, East Asian religions)
6 credits of electives (may include language courses on religious texts)
Senior project
Electives—Elective courses on religion, e.g., anthropology, philosophy, psychology, sociology, history.

Language Requirements
One of the following languages is required of majors, and the 4 credits of the language count toward the 31 credits of the major.
Lat 3114
or Girk 3114
or Hebr 3012
or Skt 5202

Final Project
A senior project is required. This usually takes the form of a paper.

Minor Requirements
The minor in religious studies allows those in other majors to acquire some of the means needed for the critical study of religion. Five courses are required, of which four must be upper division courses, for a total of at least 14 upper division credits. At least one course must be taken in each of the following three categories: comparative study, methodology-and-philosophy, Bible-and-religion-in-antiquity. Not more than one of these courses may be a directed study course and no more than one course may be taken S-N. Grades of D are not applicable to the minor program.

Russian

Institute of Linguistics and Asian and Slavic Languages and Literatures

B.A.
The Slavic and Central Asian Languages and Literatures unit offers study of the Russian, Polish, and Iranic and Turvic languages of Central Asia as well as literature and culture of the Slavic world and Central Asia. The unit offers a major and a minor in Russian language and literature.

Admission Requirements—Admission to the major requires two years of college-level Russian language study (Russ 1101-1102—Beginning Russian, Russ 3001-3002—Intermediate Russian completed with a minimum grade of C-) or the equivalent.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including at least 30 credits in the major.
Students must reach a level of advanced proficiency in Russian language and attain a thorough grounding in the history of Russian literature and modern Russian culture. In addition, students must complete 12 additional credits from the 3xxx and 5xxx courses, excluding preparatory courses. Students must submit a senior thesis showing familiarity with and use of Russian language sources.

Required Courses
Students must complete 30 credits of 3xxx or 5xxx courses beyond preparatory courses.
Russ 3101 and 3102—Third-Year Russian
Russ 3421—Literature: Middle Ages to Dostoevsky in Translation and Russ 3422—Literature: Tolstoy to the Present in Translation
Russ 3512—Russian Art and Culture from Peter I to the Present
Four electives (totaling 12 credits) chosen from 3xxx or 5xxx Russian courses (excluding preparatory courses)
Russ 3311—Russian Major Project

Minor Requirements
Preparatory courses: Russ 1101, 1102, 3001, 3002
Minor requirements: Russ 3101, 3102 and 6 additional credits in 3xxx-5xxx Russian courses, excluding preparatory courses

Russian Area Studies

Institute for Global Studies

B.A.
Russian area studies provides students with the knowledge to better understand the Russian world, its history, culture, and restructuring in the post-Soviet era. As Russia redefines its place in the world, and as trade and cultural links between Russian and the United States grow, Russian area specialists are increasingly needed. Undergraduate major and minor programs are available in Russian area studies.

Admission Requirements—Students are admitted to the program after completing premajor requirements and enrolling in the major at the Area Studies Programs advising office (214 Social Sciences Building). All premajor and major courses must be taken A-F and completed with a grade of C- or better.
To be accepted into the major, students must complete the following requirements: at least 30 general credits and good standing in CLA; at least two semesters of Russian language study (or equivalent, as determined by the relevant language department); and Area 3144—Introduction to Area Studies.

Degree Requirements
To complete the B.A., students must complete at least 120 credits, including 37 credits in the major. The program’s interdisciplinary approach emphasizes the humanities and the social sciences to examine a topical theme. This approach requires proficiency in a foreign language, a theoretical framework, broad knowledge of the area in question, and a concise understanding of the topical focus. To achieve this, students take courses across disciplinary boundaries that include, but are not restricted, to many departments in CLA.

Required Courses
Methods
One course (3 credits) dealing specifically with approaches to and/or methods of scholarly inquiry in the social sciences, history, literature, or humanities, depending on the nature of the student’s major program.
Breadth
Core set of courses (three courses or a minimum of 9 credits), including
Geog 3181—Russia and Environ
Hist 3636—Conquest, Colonization, and Centralization: The History of
European Russia, ca. 700 to ca. 1700
or Hist 3637—Modern Russian: From Peter the Great to the Present
and Russ 3421—Literature: Middle Ages to Dostoevsky in Translation
or Russ 3422—Literature: Tolstoy to the Present in Translation.

Concentration
At least five 3xxx-5xxx courses (15 credits), including two courses
(3 credits each) in upper division humanities, literature, or culture
courses and two courses (3 credits) in upper division social
science or history; and Area 4504—Senior Project.

Electives—Because this is an interdisciplinary program, substantial portions of the coursework will be in other
programs or departments. For course approval and/or a
list of courses from other departments that may be applied
to the major, contact the area studies adviser in 214 Social
Science.

Language Requirements
Students must complete one of the following: 1) three
years (total of six semesters) of Russian language; 2) at
least four semesters of Russian language and at least four
semesters of language study in a second language relevant
to the student’s academic program; or 3) at least four
semesters of Russian language study and an approved
study abroad experience in Russia or Eastern Europe.

Note: Proficiency examinations and evaluations are
provided by relevant language departments.

Final Project
A senior paper is required, and will normally be written as
a part of Area 4504—Senior Project.

Minor Requirements
The minor requires successful completion of the first year
of Russian language (or equivalent), plus five courses (15
credits) related to Russia distributed as follows:
Russ 3421—Literature: Middle Ages to Dostoevsky in Translation
or Russ 3422—Literature: Tolstoy to the Present in Translation
Hist 3636—Conquest, Colonization, and Centralization: The History of
European Russia, ca. 700 to ca. 1700

or Hist 3637—Modern Russia: From Peter the Great to the Present
Geog 3181—Russia and Environ
or Pol 4471—After Communism: Russia and the Commonwealth of
Independent States

and 6 credits (two courses) in upper division courses
Students must complete at least two courses in humanities. The minor
must be approved by the area studies adviser.

Scandinavian Languages and Finnish

Department of German, Scandinavian, and Dutch
B.A.
The program teaches and conducts research in the
languages and literature of the Scandinavian countries,
including Finland, in the context of relevant cultural-
historical background. Majors and minors are offered
with concentrations in Danish, Finnish, Norwegian, and
Swedish.

Admission Requirements—Passing score on graduation
proficiency test in Danish, Finnish, Norwegian, or
Swedish.

Degree Requirements
To complete the degree, students must complete at least
120 credits, including at least 34 credits in the major.
This includes a core curriculum of 22 credits and an
additional 12 credits of electives. One of these elective
courses may be an appropriate social science course
pertaining to Scandinavia, subject to the approval of the
director of undergraduate studies in Scandinavian. The
major program must be approved by the director of
undergraduate studies.

Required Courses
Students must complete 3011 and 3012 courses in one of the following
four languages: Danish, Finnish, Norwegian, or Swedish (Dan,
Fin, Nor, Swed 3011 and 3012, totaling 8 credits)
Scan 3501—Scandinavian Culture Past and Present
Scan 3504—The Immigrant Experience
Scan 4001—Scandinavian Languages for Reading
GSD 3451—Major Project in German and
Scandinavian
12 additional 3xxx, 4xxx, or 5xxx credits in
Scandinavian languages and literature; one
elective may be taken in an appropriate social
science course in consultation with the director
of undergraduate studies.

Electives—Appropriate courses in
the social sciences that deal with
Scandinavian topics. Scandinavian
area studies courses are offered in
departments such as geography,
history, and sociology.

Language Requirements
Students must complete 3011 and
3012 courses in one of the following
four languages: Danish, Finnish,
Norwegian, or Swedish (Dan, Fin,
Nor, Swed 3011 and 3012, totaling 8
credits).

Final Project
All majors must complete GSD
3451—Major Project in German and
Scandinavian.
Minor Requirements
Students pursuing a minor must complete at least 14 credits. Students must complete 3011 and 3012 in one of the following four languages: Danish, Finnish, Norwegian, or Swedish (Dan, Fin, Nor, Swed 3011 and 3012, totaling 8 credits) and 6 additional 3xxx, 4xxx or 5xxx credits in Scandinavian languages and literature.

Electives—None from other departments, unless they are cross-listed with sociology and taught by a faculty member approved by the sociology department (usually approved for associate membership in the Department of Sociology).

Sociology

Department of Sociology
Sociology examines stability and change in social life by addressing the underlying patterns of social relations in formal organizations, in legal institutions, and in the family, economy, and political arena.

Coursework focuses on the criminal justice system and criminal behavior; mental health; families and close relationships; education; population (demography); urban and rural communities; politics and policy formation; social movements and social change; diverse racial and ethnic groups; and social psychology. Faculty interests in the comparative study of social relations and institutions in China, France, Japan, Germany, and the Scandinavian countries add a strong international emphasis to these areas of study. All sociology courses emphasize the skills of social inquiry necessary for analyzing patterns of social relationships.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 31 credits in the major.

All major and minor coursework must be taken A-F unless a course is only offered S-N. Courses must be completed with a grade of C- or better. Graduating with a major in sociology requires a 2.00 GPA in sociology coursework.

Transfer students who wish to be sociology majors must meet the major requirements either through coursework completed at their transfer institution or the University of Minnesota, with at least 9 credits of coursework from the University’s Department of Sociology.

B.A.

Two B.A. options are offered—Sociology: General and Sociology: Law, Criminology, and Deviance (LCD).

Admission Requirements—Prospective majors are encouraged to complete an introductory sociology course (Soc 1001 or 1011 or the equivalent from a transfer college) before officially declaring the major.

Required Courses
Prerequisite to all upper level sociology courses is Soc 1001—Introduction to Sociology.

Sociology: General
Soc 3701—Social Theory (4 cr)
Soc 3811—Basic Social Statistics (4 cr)
Soc 3801—Sociological Research Methods (4 cr)
At least 15 sociology elective credits (five courses), including 9-12 credits (three to four courses) at the 3xxx, 4xxx, or 5xxx level and 3-6 credits (one to two courses) of 4xxx courses

Sociology: Law, Criminology, and Deviance (LCD)
Soc 3111—Introduction to Crime and Criminal Justice
Soc 3701—Social Theory (3 cr)
Soc 3811—Basic Social Statistics (4 cr)
Soc 3801—Sociological Research Methods (4 cr)
At least 12 elective credits (four courses), including 3-6 credits (one to two courses) of general sociology courses at the 3xxx or 4xxx level and 6-9 credits (two to three courses) of LCD courses at the 4xxx level

Final Project
This requirement can be met by enrolling in Soc 4966—Advanced Project Seminar (4 cr) in order to develop a research paper, or by enrolling in Soc 4967—Advanced Senior Project Independent Study (1 credit) in conjunction with an upper division sociology elective (3 credits) taught by the same faculty member who is guiding their project.

Internships are not required. However, students are strongly encouraged to participate in at least one internship in the community to gain applied experience and expertise, which proves useful in preparing for career entry.

B.S.
The B.S. program is for students interested in developing a rigorous mathematical concentration in research methodologies. Two B.S. options are offered: Sociology: General and Sociology: Law, Criminology, and Deviance (LCD).

Admission Requirements—Prospective majors are encouraged to complete an introductory sociology course (Soc 1001—Introduction to Sociology or Soc 1011—Honors: Introduction to Sociology or the equivalent from a transfer college) before officially declaring the major.

B.S. majors are strongly encouraged to complete two semesters of calculus before declaring the B.S. major, providing the background necessary to complete other courses on the supportive field list of choices. Calculus is often a prerequisite for those courses.

Degree Requirements
The B.S. option extends and builds on course requirements for the B.A. program by including a supportive program of four courses focusing on technical and quantitative aspects of social research.

The supportive field courses consist of four additional courses (12-16 cr) at the 3xxx or 4xxx level, from departments of computer science, economics, mathematics; philosophy, psychology, educational psychology, and statistics. The courses on this list are available from the Department of Sociology.

Required Courses
See Required Courses list in Sociology B.A.

Minor Requirements
Two minor options are offered: Sociology: General and Sociology: Law, Criminology, and Deviance (LCD).

Students in both minor programs must complete Soc 1001—Introduction to Sociology or 1011—Honors: Introduction to Sociology (3 cr each)
South Asian and Mideast Area Studies

Institute for Global Studies

B.A.

This program focuses on the cultural traditions and contemporary problems of Afghanistan, Bangladesh, India, Nepal, Pakistan, Sri Lanka, Turkey, Iran, and the Arab world. Flexible major and minor programs in South Asian and Middle Eastern Studies can meet the needs and interests of individual students. Programs must be designed in consultation with an adviser. For more information, consult the Area Studies Programs office.

Admission Requirements—Students are admitted to the program upon completion of premajor requirements and formal enrollment in the major at the Area Studies Programs office (214 Social Sciences Building). All premajor and major courses must be taken A-F and completed with a grade of C- or better.

Admission into the major requires completion of the following: at least 30 credits and good standing in CLA; at least two semesters of a South Asian or Middle Eastern language (or equivalent, as determined by the relevant language department); and Area 3144—Introduction to Area Studies.

Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 37 credits in the major.

The program uses an interdisciplinary approach emphasizing the humanities and social sciences to examine a topical theme in a South Asian and/or Middle Eastern location. This approach requires proficiency in a foreign language, a theoretical framework, broad knowledge of the area in question, and a concise understanding of the topical focus. Students take courses across disciplinary boundaries that include, but are not restricted to, several CLA departments.

Required Courses

Methods

One course of at least 3 credits dealing specifically with approaches to and/or methods of scholarly inquiry in the social sciences or humanities, depending upon the nature of the student’s major program.

Breadth

Core set of 3xxx-5xxx courses that address South Asia and/or the Middle East as holistic regions, including one course (at least 3 credits) in the humanities; one course (at least 3 credits) in the social sciences; and one course (at least 3 credits) of the student’s choice. Both the Middle East and South Asia must be represented through the courses taken.

Concentration

At least five 3xxx-5xxx courses (15 credits), including two courses (3 credits each) in upper division humanities, literature or culture courses and two courses (3 credits) in upper division social science or history; and Area 4504—Senior Project.

For a complete list of South Asian and Middle Eastern Studies courses, see an area studies adviser.

Electives—Consult the Area Studies Programs office for course approval.

Language Requirements

This requirement is fulfilled by completion of two years (total of four semesters) of a South Asian or Middle Eastern language sequence and two 3xxx-5xxx literature courses of South Asian or Middle Eastern content.

Note: Proficiency examinations and evaluations are provided by relevant language departments.

Minor Requirements

The minor requires completion of five 3xxx-5xxx courses (totaling at least 15 credits) related to South Asia and the Middle East. Courses must be distributed as follows: minimum of one course (at least 3 credits) from the humanities; minimum of one course (at least 3 credits) from the social sciences or history.

A maximum of 3 credits may be in directed studies or directed research and courses must be drawn from a minimum of three different departments. All courses must be taken A-F, with a grade of C or better. The minor program must be approved by the area studies adviser.

Spanish

Department of Spanish and Portuguese

The program develops analytical skills and methodologies needed to explore Hispanic, Hispanic-American, and Luso-Brazilian languages and cultures. The department offers two majors (Spanish and Spanish-Portuguese) and two minors (Spanish and Portuguese). A combined minor in Spanish-Portuguese is not offered.

Course sequences emphasize four interconnected areas: oral and written fluency in the language; the study of Hispanic linguistics that incorporates the social and cultural context of the language; representative literature analyzed as artistic achievement and cultural expression; and civilizations and cultures in areas where Spanish and Portuguese are spoken.

The recent vast changes in the political, economic, and social spheres of those regions require students of Spanish or Portuguese to be familiar with world views allowing them to understand and adapt to a rapidly changing environment.

B.A. in Spanish

Degree Requirements

To complete the degree, students must complete 120 credits, including at least 34 credits in the major.

Students must declare a major in the department before completing the majority of major requirements; students must declare a minor at least one full term before completing the minor requirements.

Students must complete prerequisite beginning and intermediate Spanish courses (or equivalent) and complete the Graduation Proficiency Test.

Four advanced prerequisite courses in the areas of composition and communication, literature, culture, and linguistics are also required.
Students must also complete 15–18 additional elective credits in 3xxx or 5xxx literature, culture, and linguistics courses. Elective courses must be chosen in consultation with the adviser. A major project is also required and may not be completed until the end of the major.

**Required Courses**

- **Span 3015**—Spanish Composition and Communication
- **Span 3021**—Advanced Communication Skills (elective credits may substitute for 3021 if an A or B is earned in 3015)
- **Span 3104**—Analysis and Interpretation of Texts
- **Span 3105**—Introduction to the Study of Hispanic Civilizations
- **Span 3107**—Introduction to the Study of Hispanic Linguistics

15 to 18 additional elective credits in approved 3xxx or 5xxx literature, culture, and linguistics courses, chosen in consultation with the adviser.

**Minor Requirements**

- **Span 3972**—Graduation Seminar

All major courses must be taken A-F, and grades of C- or better must be earned in all courses. Spanish and Portuguese courses taught in English and credits earned in community tutorial programs are not acceptable for major credit. The department strongly encourages majors and minors to study abroad. Students who wish to study abroad must meet with the departmental adviser in advance to petition for departmental equivalency. Petitions may also be completed for courses transferred from other U.S. institutions. All questions regarding major or minor credit for courses taken outside the University should be directed to the departmental adviser.

**Language Requirements**

Although the department has a prerequisite of 5 credits in advanced language courses, students must understand that language proficiency goes beyond classroom studying and that proficiency will be a major factor in the Graduation Seminar.

The department very strongly emphasizes student initiative and responsibility in acquiring language proficiency. Recognizing that students must seek every opportunity to practice language skills, the department encourages study abroad and internships or field experience in the Hispanic community in the United States.

**Final Project**

All B.A. candidates must complete a major project. Students must conduct their research for the major project by registering and attending Span 3972—Graduation Seminar in one of the last two semesters of their senior year. The research topic will be chosen, discussed, developed, and completed in a group setting, under the instructor’s supervision.

**Minor Requirements**

Required preparatory courses for the Spanish minor include Span 1001 and 1002—Beginning Spanish, Span 1003 and 1004—Intermediate Spanish, or equivalent. The Graduation Proficiency Test (GPT) must also be completed.

A total of 16 to 17 credits must be distributed as follows:
- **Span 3015**—Spanish Composition and Communication
- **Span 3021**—Advanced Communication Skills (elective credits may substitute for 3021 if an A or B is earned in 3015), at least one 31xx course, and two additional courses at the 3xxx or 5xxx level chosen in consultation with the departmental adviser.

**B.A. in Spanish and Portuguese**

**Admission Requirements**—Span 1001 and 1002—Beginning Spanish, Span 1003 and 1004—Intermediate Spanish or equivalent, Port 1101 and 1102—Beginning Portuguese, Port 1103 and 1104—Intermediate Portuguese or equivalent, Port 3001—Portuguese for Spanish Speakers or knowledge of Portuguese at this level.

**Degree Requirements**

The Spanish-Portuguese major is under review. Students interested in this major should consult the undergraduate adviser.

To complete the degree, students must complete at least 120 credits, including at least 35 credits in the major. Students must declare a major in the department before completing the majority of major requirements; students must declare a minor at least one full term before completing the minor requirements.

Five to six advanced prerequisite 3xxx courses in Spanish and Portuguese composition and communication, literature, culture and linguistics are also required. Students must then complete 12 to 15 additional elective credits in 3xxx or 5xxx literature, culture, and linguistics courses. Elective courses are to be chosen in consultation with the adviser. A major project is also required.

**Required Courses**

- **Span 3015**—Spanish Composition and Communication
- **Span 3021**—Advanced Communication Skills (elective credits may substitute for 3021 if an A or B is earned in Span 3015)
- **Port 3003**—Portuguese Conversation and Composition
- **Span 3104**—Analysis and Interpretation of Texts
- **Span 3105**—Introduction to the Study of Hispanic Civilizations
- **Span 3107**—Introduction to the Study of Hispanic Linguistics

12 to 15 additional elective credits in upper division literature, culture, and linguistics courses, chosen in consultation with the adviser. (Minimum 6 credits each in Spanish and Portuguese.)

**Minor Requirements**

Required preparatory courses for the Portuguese minor include Port 1101 and 1102—Beginning Portuguese, Port 1103 and 1104—Intermediate Portuguese or equivalent. Portuguese or equivalent, Port 3001—Portuguese for Spanish Speakers or knowledge of Portuguese at this level.

**Degree Requirements**

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12 to 15 additional elective credits in upper division literature, culture, and linguistics courses, chosen in consultation with the adviser. (Minimum 6 credits each in Spanish and Portuguese.)

**Minor Requirements**

Required preparatory courses for the Portuguese minor include Port 1101 and 1102—Beginning Portuguese, Port 1103 and 1104—Intermediate Portuguese or equivalent. Portuguese or equivalent, Port 3001—Portuguese for Spanish Speakers or knowledge of Portuguese at this level.
Speech and Hearing Science

Department of Communication Disorders

B.A.

The curriculum examines the physical, biological, and behavioral foundations of human communication. Courses focus on the study of normal speech, language, and hearing processes, and seek to apply that knowledge to identifying, preventing, evaluating, and managing disordered speech, language, and hearing.

Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 40 credits in the major.

Required Courses

Students must complete 41 credits of required courses in this list:

- CDis 1301—The Physics and Biology of Spoken Language
- CDis 1401—Introduction to Communication Disorders
- CDis 3301—Introduction to Acoustics
- CDis 3302—Anatomy and Physiology of the Speech and Hearing Mechanisms
- CDis 3303—Language Acquisition and Science
- CDis 3304—Phonetics
- CDis 3305—Speech Science
- CDis 3306—Hearing Science
- CDis 3402—Major Project in Speech and Hearing Science
- CDis 4501—Speech Disorders
- CDis 4601—Language Disorders
- CDis 4801—Hearing Measurement and Disorders

Final Project

Completion of CDis 3402—Major Project in Speech and Hearing Science.

Minor Requirements

Choose 14 credit hours from any 3xxx, 4xxx, or 5xxx courses in the Department of Communication Disorders. No more than 20 percent of total credits in the minor program may consist of directed study. All courses in the minor program must be completed with a grade of C- or better.

Speech-Communication

Department of Speech-Communication

B.A.

The program examines human communication using both humanistic and social scientific methods. Fields of study include speechmaking, rhetorical criticism, ethics, interpersonal, small group, organizational, intercultural, and electronic (broadcasting, cable, satellite, Internet) forms of communication.

Students select courses from two clusters of study, including Communication: Social Interaction, and Communication and Culture.

Admission Requirements—Students seeking admission to the major must first meet with a speech-communication adviser in 432 Folwell Hall to declare a premajor. Students are strongly encouraged to declare their pre-speech major during their first or second year.

A pre-speech major must complete the following three courses to be admitted into the major:

- Spch 1101—Introduction to Public Speaking
- Spch 1102—Introduction to Communication
- Spch 1313—Analysis of Argument

Students must achieve a 2.00 GPA average or better in Spch 1102 and 1313; these may not be retaken. A grade of F in either Spch 1102 or 1313 will result in ineligibility for the major.

Degree Requirements

To complete the degree, students must complete 120 credits, including 36 credits in the major.

Students must complete at least 27 credits in 3xxx, 4xxx, or 5xxx courses selected from the two clusters that comprise the undergraduate curriculum. Students must take at least 15 credits from one cluster and at least 6 credits from the other.

A senior paper must also be completed in a 4xxx or 5xxx course designated as a senior paper course. The department’s advising office has a list of eligible courses.

Required Courses

At least 27 credits in 3xxx, 4xxx, or 5xxx courses selected from the following lists, including at least two 4xxx or 5xxx courses and one course chosen from among:

- Spch 3211—Introduction to U.S. Electronic Media
- Spch 3401—Introduction to Communication Theory
- Spch 3601—Introduction to Rhetorical Theory

Communication and Social Interaction Cluster

- Spch 3190, 3211, 3402, 3411, 3431, 3441, 3422, 4231, 4235, 4291, 5110, 5233, 5401, 5402, 5408, 5411, 5441, 5411, 5461, 5462

Communication and Culture Cluster

- Spch 3190, 3201, 3405, 3406, 3451, 3452, 3601, 3605, 3615, 3625, 3631, 4602, 4615, 4616, 4621, 5210, 5220, 5261, 5404, 5406, 5451, 5452, 5611, 5617, 5618

Final Project

Students must complete a senior paper (see above) before graduation. For details about project requirements, contact the speech-communication undergraduate advisers.

Minor Requirements

Pre-minor

Spch 1101—Introduction to Public Speaking and Spch 1102—Introduction to Communication, with a 2.00 or better GPA. A grade of F in either course will result in ineligibility for the minor; no retakes will be allowed.

Minor

Five courses selected from the two clusters, with at least three courses from one cluster, and one from the other cluster. One of the 5 courses must be at the 4xxx or 5xxx level, and one of the courses must be Spch 3211—Introduction to U.S. Electronic Media, Spch 3401—Introduction to Communication Theory, or Spch 3601—Introduction to Rhetorical Theory.
Statistics

School of Statistics

B.A.

Statistics provides a logical framework for the collection, analysis, and interpretation of data. This data can be used to draw inferences in scientific studies and to make decisions in industrial, business, and governmental enterprises.

Degree Requirements
To complete the degree, students must complete 120 credits, including at least 38 credits in the major.

Requirements include 38 credits with grade C- or better, in math (including multivariable calculus) and statistics (including one year of theory and three applied statistics courses) and one computer programming course.

Required Courses
Stat 3011—Introduction to Statistical Analysis
or 3021—Introduction to Probability and Statistics
Stat 3022—Data Analysis
Stat 4101-4102—Theory of Statistics I-II
or Stat 5101-5102—Theory of Statistics I-II
Stat 4893—Senior Paper
At least 10 credits of adviser-approved statistics electives chosen from the following: Stat 5031, 5041, 5201, 5302, 5303, 5401, 5421, 5601
Math 2263—Multivariable Calculus
Math 4242—Applied Linear Algebra
One course chosen from the following: CSci 1103, CSci 1107, CSci 1113

Final Project
Majors must complete a senior project through registration in Stat 4893—Senior Paper.

Minor Requirements
At least 14 credits from 3xxx, 4xxx, and 5xxx School of Statistics courses, including at least two courses at the 5xxx level.

Theatre Arts

Department of Theatre Arts and Dance

B.A.

The Theatre Arts program offers study of the art form in both theoretical historical context and the practice of live dramatic performance. Course offerings include theatre history and dramatic literature; acting, movement, and voice; directing; design and technology for scenery, costume, lighting, makeup, and sound; and management.

Coursework also embraces theatre as a group art, an art in which individual excellence is often fully realized only in collaboration with other artists. The practical application of the art encourages students to test classroom experiences under the pressure of public performance in the laboratory of the University Theatre.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 44 credits in the major.

This requirement includes 7 credits of electives at any level from either theatre arts or dance courses, at least 3 credits of which must be a content course. The major credits also include 4 credits of practicum (Th 3100—Theatre Practicum), only 2 credits of which may be in acting. Students are required to maintain a 2.00 GPA in the major. Transfer students must take at least 12 credits in this department, at least 1 credit of which must be Th 3100.

Required Courses
Th 1901—Introduction to Performance
Th 1321—Beginning Acting
Th 1351—Vocal Production and Beginning Movement for Actors
Th 3513—Design and Technical Production I
Th 3515—Design and Technical Production II
Th 3171—History of the Theatre: Ancient Greece through Neo-Classicism
Th 3172—History of the Theatre: Romanticism to the Present
Th 3711—Beginning Directing
Th 4177—Survey of Dramatic Literature I
or Th 4178—Survey of Dramatic Literature II
Th 3100—Theatre Practicum
Electives—Courses in art, art history, dance, dramatic literature, humanities, music, and playwriting are recommended as electives.

Final Project
All majors must complete Th 4901—Senior Seminar.

Minor Requirements
The theatre arts minor consists of the following courses, for a total of 24 credits:
Th 1901—Introduction to Performance
Th 1321—Beginning Acting
Th 3513—Design and Technical Production I
Th 3515—Design and Technical Production II
Th 3711—Beginning Directing
Any two of the following: Th 3171, 3172, 4177, or 4178

Urban Studies

Department of Geography
This cross-disciplinary major involves urban studies coursework, fieldwork experiences, and introductory work in disciplines that offer useful perspectives on contemporary urban and postindustrial society.
The program focuses on the conceptual and analytical frameworks and specialized skills needed for professions focused on urban change or development in public agencies or private business, or for graduate study in urban planning, law, social welfare, public affairs, or the social and environmental sciences.
Students are encouraged to incorporate field study into the major or minor. Options include urban studies programs sponsored by the Higher Education Consortium for Urban Affairs (HECUA) in Colombia, Norway, and Minneapolis-St. Paul. Internships and independent field research projects are also available. Contact the Global Campus office for more information.

B.A.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 36 credits in the major.
The program requires coursework focusing on urban form and society, with additional credits from areas such as cultural analysis, and political economy and infrastructure. An internship and a senior paper are also required.
Students must complete the following courses within the program: an introductory course, two urban studies colloquia, and two workshops. The Urban Studies Program Booklet, available from the department, contains a listing of required and recommended courses, and urban-related course offerings in other academic departments that can fulfill various urban studies requirements.

Required Courses
UrbS 1001—Introduction to Urban Studies: The Complexity of Metropolitan Life
Th 1001—Introductions to the Urban Studies Program Booklet

Electives—See the Urban Studies Program Booklet for a complete listing of courses that may be applied.

Final Project
Students must complete UrbS 3955—Senior Paper Seminar.

Minor Requirements
Students pursuing a minor must consult with a program adviser to make course selections and to receive final credit verification before graduation.
The minor requires completion of 14 upper division credits, including
UrbS 1001—Introduction to Urban Studies: The Complexity of Metropolitan Life
UrbS 3201—Urban Studies Colloquium
and UrbS 3202—Urban Studies Colloquium
Two sessions of UrbS 3500—Urban Studies Workshop (6 cr total)
Two courses from one of the tracks described in the Urban Studies Program Booklet, (6 cr total).

B.S.

Degree Requirements
To complete the degree, students must complete at least 120 credits, including at least 42 credits in the major.
The program requires coursework focusing on urban form and society, plus credits from areas such as cultural analysis, and political economy and infrastructure. An internship and a senior paper are also required. The B.S. requires substantive quantitative skills coursework.
Students must complete certain courses within the program: an introductory course, two urban studies colloquia, and two workshops. The Urban Studies Program Booklet, available from the department, lists the required and recommended courses, and course offerings in other academic departments that can fulfill urban studies requirements.

Required Courses
UrbS 1001—Introduction to Urban Studies: The Complexities of Metropolitan Life
UrbS 3001—Introduction to Urban Studies: The Complexities of Metropolitan Life
UrbS 3201—Urban Studies Colloquium
UrbS 3202—Urban Studies Colloquium
Two sessions of UrbS 3500—Urban Studies Workshop (6 cr total)
UrbS 3900—Urban Studies Internship Seminar
UrbS 3955—Senior Paper Seminar
Four courses totaling at least 12 credits of skills or methods courses identified in the Urban Studies Program Booklet

Electives—See the Urban Studies Program Booklet for a complete listing of courses that may be applied.

Final Project
Students must complete UrbS 3955—Senior Paper Seminar.

Minor Requirements
Students pursuing a minor must consult with a program adviser to make course selections, and to receive final credit verification before graduation. The minor requires completion of 14 upper division credits, including
Women’s Studies

Department of Women’s Studies

B.A.

Women’s studies offers an interdisciplinary, multicultural, and international study of women and gender. The program strives to develop an interdisciplinary curriculum and body of knowledge comparing those issues across cultures, and significant social and historical variables. The program also seeks to transform traditional disciplines and fields of study by incorporating new data, methods, theories, and frameworks developed by feminist scholars.

The undergraduate curriculum offers five subfield concentrations: methods of inquiry; biology, psychology, and social perspective; literature, film, and the arts; comparative and global studies; and civic and community studies.

In addition to the faculty in women’s studies, several departments lend their interdisciplinary teaching and advisory expertise to women’s studies students. These include the departments of Afro-American and African Studies; American Studies; American Indian Studies; Chicano Studies; Comparative Studies in Discourse and Society; English, German, Scandinavian, and Dutch; History; Sociology; Spanish and Portuguese; Speech-Communication. Affiliated programs include the School of Nursing, the Hubert H. Humphrey Institute of Public Affairs’ Center on Women and Public Policy, the MacArthur Interdisciplinary Program on Peace and International Cooperation, and the Tucker Center for Research on Girls and Women in Sport, Center for Advanced Feminist Studies.

Degree Requirements

To complete the degree, students must complete at least 120 credits, including at least 40 credits in the major.

Required Courses

Students must complete 27 to 29 credits of required courses and three to five additional electives for a total of 40 credits.

WoSt 1001—Introduction to Women’s Studies (4 cr)

One of the following 4-credit courses: WoSt 1002, 3001, 3002, 3003, 3004

WoSt 3101—History of Western Feminism (4 cr)
or

WoSt 5101—History of Western Feminism (4 cr)

WoSt 3102—Feminist Thought and Theory (4 cr)

WoSt 5xxx elective covering application of feminist theory (3 cr)

WoSt 3xxx or 5xxx elective satisfying the department’s cultural pluralism requirement (minimum 3 cr). Cannot use WoSt 3001, 3002, 3003, or 3004 to fulfill this requirement.

WoSt 3xxx or 5xxx elective satisfying the department’s international studies requirement (minimum 3 cr). Cannot use WoSt 3001, 3002, 3003, or 3004 to fulfill this requirement.

WoSt 4107—Senior Research Methods (3 cr)

WoSt 4993—Directed Study (1 cr) under the supervision of the student’s senior project faculty adviser, and concurrent registration in WoSt 4108—Senior Writing Seminar (2 cr); or WoSt 4109 for internship-based senior projects.

Electives—This category includes all of the program’s officially cross-listed courses: Chic 3212, 3402, 4401, 5403, 5505; Hist 3347, 3348; JwSt 3632; Rhet 5108; Soc 3221; Spch 3405.

Final Project

Women’s studies majors must complete a senior project and complete WoSt 4107—Senior Seminar Research Methods (3 cr) and WoSt 4108—Senior Writing Seminar (2 cr) or WoSt 4109—Field Learning. Students also have the option of four different kinds of senior projects: academic scholarship, empirical research-based project, internship-based project, and creative project.

Students electing to pursue an internship-based project must take WoSt 4109—Field Learning (3 cr) during the semester of their internship work to replace WoSt 4108. Students electing to do research are required to have some formal training or coursework in their research methodology, and students pursuing creative projects must have some formal training or coursework in their area of creativity, such as poetry or creative writing, photography, dance, film, or video arts.

Minor Requirements

The women’s studies minor requires WoSt 1001—Introduction to Women’s Studies and 20 credits of 3xxx and 5xxx courses. No more than 4 credits may be taken S-N and no more than 8 credits may be directed study or internship projects.