# College of Liberal Arts

## General Information
- Admission ................................................................. 187
- Orientation ................................................................. 188
- Degrees/Majors ......................................................... 188
- CLA Majors ................................................................. 190
- Minors ................................................................. 190
- University Honors Program ........................................ 190
- Policies ................................................................. 191
- Graduation Requirements ........................................ 191
- Advising ................................................................. 192
- Special Learning Opportunities and Resources .......... 192
- Career Information ...................................................... 193
- Student Organization .................................................. 193

## Directory
- Degree Programs and Minors .............................. 196
- Acting B.F.A. ................................................................. 196
- African American and African Studies B.A. ............. 196
- African American and African Studies Minor .......... 198
- American Indian Studies B.A. .................................. 198
- American Indian Studies Minor ................................ 199
- American Studies B.A. ............................................... 200
- American Studies Minor ........................................... 200
- Ancient Mediterranean Studies B.A. ...................... 200
- Anthropology B.A. ...................................................... 201
- Anthropology Minor .................................................. 202
- Architecture B.A. ....................................................... 202
- Art B.A. .................................................................. 203
- Art Minor ................................................................. 204
- Art History B.A. .......................................................... 205
- Art History Minor ....................................................... 205
- Asian American Studies Minor (Minor Only) ............ 206
- Asian Languages and Literatures B.A. .................... 207
- Asian Languages and Literatures Minor ................. 208
- Astrophysics B.A. ....................................................... 210
- Astrophysics Minor .................................................... 211
- Austrian and Central European Studies Minor (Minor Only) .................................................. 212
- Biblical Studies Minor (Minor Only) ....................... 212
- Biology, Society, and Environment B.A. .................. 213
- Chemistry B.A. .......................................................... 214
- Chemistry Minor ....................................................... 215
- Chicano Studies B.A. ................................................... 215
- Chicano Studies Minor ................................................. 216
- Child Psychology B.A. ................................................. 216
- Child Psychology B.S. ................................................ 217
- Child Psychology Minor ............................................. 218
- Classical and Near Eastern Archaeology B.A. .......... 218
- Classical and Near Eastern Archaeology Minor .......... 219
- Classical Civilization B.A. ............................................ 219
- Classical Civilization Minor ...................................... 220
- Communication Studies B.A. ................................. 220
- Communication Studies Minor ............................... 221
- Comparative U.S. Race and Ethnicity Minor (Minor Only) .................................................. 221
- Computer Science B.A. ............................................. 222
- Computer Science Minor .......................................... 222
- Cultural Studies and Comparative Literature B.A. ..... 222
- Cultural Studies and Comparative Literature Minor ... 224
- Dance B.A. ................................................................. 224
- Dance B.F.A. ............................................................... 225
- Danish Minor (Minor Only) ....................................... 225
- Dutch Studies Minor (Minor Only) .......................... 226
- East Asian Studies Minor (Minor Only) .................... 226
- Economics B.A. ........................................................ 226
- Economics B.S. .......................................................... 227
- Economics Minor ....................................................... 228
- Economics—Quantitative Emphasis B.A. ................ 230
- English B.A. ............................................................... 231
- English Minor ............................................................ 233
- English as a Second Language Minor (Minor Only) .. 234
- Environmental Geosciences Minor (Minor Only) ..... 234
- European Area Studies Minor (Minor Only) ............. 234
- Finnish Minor (Minor Only) ........................................ 234
- French Studies B.A. ..................................................... 235
- French Studies Minor ................................................ 235
- French and Italian Studies B.A. ............................... 236
- Gay, Lesbian, Bisexual, Transgender Minor (Minor Only) .................................................. 236
- Gender, Women and Sexuality Studies B.A. ............. 237
- Gender, Women and Sexuality Studies Minor .......... 238
- Geographic Information Science Minor (Minor Only) ........................................................................ 238
- Geography B.A. ........................................................ 238
- Geography B.S. ........................................................ 241
- Geography Minor ....................................................... 242
- Geology B.A. ............................................................... 242
- Geology Minor ............................................................ 243
- German Studies B.A. .................................................. 243
- German Minor ............................................................. 244
- Global Studies B.A. ..................................................... 244
- Global Studies Minor ................................................ 245
- Greek B.A. ................................................................. 245
- Greek Minor ............................................................... 246
- Hebrew Minor ............................................................ 247
- History B.A. ............................................................... 247
- History Minor ............................................................. 248
- History of Medicine Minor (Minor Only) ................. 248
- History of Science and Technology Minor (Minor Only) .................................................. 249
- Humanities in the West Minor (Minor Only) .......... 249
- Bachelor of Individualized Studies B.I.S. .................. 249
<table>
<thead>
<tr>
<th>Program Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individually Designed Interdepartmental B.A.</td>
<td>250</td>
</tr>
<tr>
<td>Italian Studies B.A.</td>
<td>251</td>
</tr>
<tr>
<td>Italian Studies Minor</td>
<td>251</td>
</tr>
<tr>
<td>Jewish Studies B.A.</td>
<td>252</td>
</tr>
<tr>
<td>Jewish Studies Minor</td>
<td>253</td>
</tr>
<tr>
<td>Journalism B.A.</td>
<td>253</td>
</tr>
<tr>
<td>Land, Nature, and Environmental Values Minor (Minor Only)</td>
<td>255</td>
</tr>
<tr>
<td>Latin B.A.</td>
<td>256</td>
</tr>
<tr>
<td>Latin Minor</td>
<td>256</td>
</tr>
<tr>
<td>Latin American Studies Minor (Minor Only)</td>
<td>257</td>
</tr>
<tr>
<td>Learning Abroad Minor (Minor Only)</td>
<td>257</td>
</tr>
<tr>
<td>Linguistics B.A.</td>
<td>257</td>
</tr>
<tr>
<td>Linguistics Minor</td>
<td>258</td>
</tr>
<tr>
<td>Mass Communication Minor (Minor Only)</td>
<td>258</td>
</tr>
<tr>
<td>Mathematics B.A.</td>
<td>258</td>
</tr>
<tr>
<td>Mathematics Minor</td>
<td>260</td>
</tr>
<tr>
<td>Medieval Studies Minor (Minor Only)</td>
<td>260</td>
</tr>
<tr>
<td>Music B.A.</td>
<td>261</td>
</tr>
<tr>
<td>Music B.Mus</td>
<td>261</td>
</tr>
<tr>
<td>Music Education B.Mus</td>
<td>263</td>
</tr>
<tr>
<td>Music Therapy B.Mus</td>
<td>266</td>
</tr>
<tr>
<td>Music Minor</td>
<td>267</td>
</tr>
<tr>
<td>New Media Studies Minor (Minor Only)</td>
<td>268</td>
</tr>
<tr>
<td>Norwegian Minor (Minor Only)</td>
<td>268</td>
</tr>
<tr>
<td>Philosophy B.A.</td>
<td>268</td>
</tr>
<tr>
<td>Philosophy Minor</td>
<td>269</td>
</tr>
<tr>
<td>Physics B.A.</td>
<td>269</td>
</tr>
<tr>
<td>Physics Minor</td>
<td>270</td>
</tr>
<tr>
<td>Physiology B.A.</td>
<td>270</td>
</tr>
<tr>
<td>Political Science B.A.</td>
<td>271</td>
</tr>
<tr>
<td>Political Science Minor</td>
<td>274</td>
</tr>
<tr>
<td>Portuguese Studies Minor (Minor Only)</td>
<td>274</td>
</tr>
<tr>
<td>Psychology B.A.</td>
<td>274</td>
</tr>
<tr>
<td>Psychology B.S.</td>
<td>275</td>
</tr>
<tr>
<td>Psychology Minor</td>
<td>277</td>
</tr>
<tr>
<td>Religious Studies B.A.</td>
<td>277</td>
</tr>
<tr>
<td>Religious Studies Minor</td>
<td>279</td>
</tr>
<tr>
<td>Russian B.A.</td>
<td>279</td>
</tr>
<tr>
<td>Russian Minor</td>
<td>280</td>
</tr>
<tr>
<td>Russian Area Studies Minor (Minor Only)</td>
<td>280</td>
</tr>
<tr>
<td>Scandinavian Languages and Finnish B.A.</td>
<td>280</td>
</tr>
<tr>
<td>Scientific and Technical Communication B.S.</td>
<td>281</td>
</tr>
<tr>
<td>Sociology B.A.</td>
<td>284</td>
</tr>
<tr>
<td>Sociology B.S.</td>
<td>284</td>
</tr>
<tr>
<td>Sociology Minor</td>
<td>285</td>
</tr>
<tr>
<td>Sociology of Law, Criminology, and Deviance B.A.</td>
<td>286</td>
</tr>
<tr>
<td>Sociology of Law, Criminology, and Deviance B.S.</td>
<td>286</td>
</tr>
<tr>
<td>Sociology of Law, Criminology, and Deviance Minor</td>
<td>287</td>
</tr>
<tr>
<td>South Asian and Middle Eastern Studies Minor (Minor Only)</td>
<td>288</td>
</tr>
<tr>
<td>Spanish Studies B.A.</td>
<td>288</td>
</tr>
<tr>
<td>Spanish Studies Minor</td>
<td>289</td>
</tr>
<tr>
<td>Spanish and Portuguese Studies B.A.</td>
<td>290</td>
</tr>
<tr>
<td>Speech-Language-Hearing Sciences B.A.</td>
<td>291</td>
</tr>
<tr>
<td>Speech-Language-Hearing Sciences Minor</td>
<td>291</td>
</tr>
<tr>
<td>Statistics B.A.</td>
<td>292</td>
</tr>
<tr>
<td>Statistics Minor</td>
<td>292</td>
</tr>
<tr>
<td>Studies in Cinema and Media Culture B.A.</td>
<td>292</td>
</tr>
<tr>
<td>Studies in Cinema and Media Culture Minor</td>
<td>294</td>
</tr>
<tr>
<td>Swedish Minor (Minor Only)</td>
<td>294</td>
</tr>
<tr>
<td>Technical Communication Minor (Minor Only)</td>
<td>294</td>
</tr>
<tr>
<td>Theatre Arts B.A.</td>
<td>295</td>
</tr>
<tr>
<td>Theatre Arts Minor</td>
<td>295</td>
</tr>
<tr>
<td>Urban Studies B.A.</td>
<td>295</td>
</tr>
<tr>
<td>Urban Studies B.S.</td>
<td>297</td>
</tr>
<tr>
<td>Urban Studies Minor</td>
<td>299</td>
</tr>
</tbody>
</table>
General Information

At the heart of every great university is a college encompassing the fundamental 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 undergraduates study with faculty scholars and creative artists who are defining the future in their fields of study.

A CLA education provides not only breadth of knowledge, but depth and proficiency in a particular field, or discipline, of knowledge. CLA students develop habits of creative and critical thinking, acquire analytical and problem-solving skills, and learn to communicate across cultures and media. Such skills and knowledge are an indispensable foundation for careers in industries and professions across all sectors of society, from banking and commerce to health care, education, law, public service, and the arts.

Study and research opportunities are available to undergraduates in more than 70 major areas in the social sciences, humanities, and fine arts. In addition to strong discipline-based programs, CLA offers interdisciplinary majors—including studies in cinema and media culture, urban studies, and Chicano studies—which 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 and the College of Biological Sciences. (See the list of majors 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.

Nearly 15,000 undergraduate students and about 2,000 graduate students were enrolled in CLA programs in fall 2009. Their professors are dedicated teachers and pathbreaking researchers, scholars, and creative artists who bring to their interactions with students the most current knowledge and ideas in their fields.

Degree requirements established by the college give students an education solidly and broadly based in the liberal arts. Courses that meet the Twin Cities campus-wide liberal education requirements introduce students to the modes of inquiry and subject matter of the major branches of knowledge, as well as four broad themes: international perspectives, cultural diversity, environmental issues, and citizenship and public ethics.

In recognition of the importance of written communication, students take several writing courses, including a required first-year course, and other upper division, writing intensive courses (such as technical writing or advanced composition) in their major. The CLA language requirement helps students become proficient in a second language.

As the port of entry to the University for many students, CLA prides itself on its Student Communities, which offer academic and career advising and other services. Student Services staff help direct students to the many learning opportunities available within CLA and throughout the University—including internships and service learning.

Admission

Prospective Student Services

Prospective CLA students can find information about student life and academic programs at www.discovercla.umn.edu.

Preadmission advising and assistance are offered by the University’s Office of Admissions. Students who would like to visit the campus and talk about plans for study in CLA should contact the Office of Admissions, University of Minnesota, 240 Williamson Hall, 231 Pillsbury Drive S.E., Minneapolis, MN 55455 (612-625-2008), http://admissions.tc.umn.edu.

Enrollment Limits—The University of Minnesota has approved enrollment limits for the Twin Cities campus. To remain within those limits, CLA must restrict the number of new students it admits to ensure adequate funding to meet the educational needs of all of its students. The college admits as many qualified students as possible without exceeding its projected maximum enrollment limit.

Application Procedures

Freshman Admission

Freshman applicants are high school graduates or high school seniors who will graduate before they enroll in CLA. These students are considered freshmen regardless of any college credits (such as postsecondary enrollment options credits) they may have completed while in high school. High school graduates who have enrolled in a postsecondary institution after graduation are considered transfer applicants for admission purposes, regardless of the number of credits completed.

For official and up-to-date information about the University’s admissions policies, procedures, and deadlines, see http://admissions.tc.umn.edu, or the latest edition of the Undergraduate Application Booklet available from the Office of Admissions or online at http://admissions.tc.umn.edu/PDFs/index.html.

In fall 2009, 77 percent of CLA freshmen ranked in the top quarter of their class, and 30 percent ranked in the top 10 percent. The average ACT composite score was 25.7; 33 percent of the entering freshman class scored 28 or higher. Admission is competitive; applicants are not guaranteed admission.

Transfer Admission

Students who have completed at least 26 (39 quarter) credits of transferable college coursework will be considered for admission based on their college academic record. High school graduates who have completed less than a full year of college coursework at the time of admission will be considered for admission using a combination of transfer and freshman admission criteria. The key factors considered are cumulative grade point average (GPA), course completion patterns, grade trends in the most recent 24 credits, and residency status. See Transfer Admission in the General Information section of this catalog.

Students must indicate a CLA major on the admission application to be considered for admission to CLA. Pre-professional plans are not considered CLA major declarations. Students with 60 semester (90 quarter) credits or more must declare a major...
on their admission application. Some majors have additional requirements for admission to the major. See additional admission requirements under individual majors in this catalog. Students are admitted in spring semester only if space is available.

Honors Program Admission
For admission to the University Honors Program (UHP), students must be admitted to CLA through the regular application procedure described for new freshmen or transfer students. For more information, see the University Honors Program section at the front of this catalog and UHP information in the following pages.

Martin Luther King Program Admission
For admission to the Martin Luther King Jr. (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. Currently enrolled or returning students should call 612-625-2300 or go online at http://mlk.class.umn.edu for more information regarding the MLK Program.

Non-Degree-Seeking/Postbaccalaureate Admission
Students interested in enrolling in CLA courses but not in earning a CLA degree may wish to consider enrollment opportunities available through the College of Continuing Education, 20 Classroom Office Building, 1994 Buford Avenue, St. Paul, MN 55108 (612-624-4000).

Advising services for CLA non-degree-seeking students are available from the CLA Student Communities. Please consult the Student Services website at www.class.umn.edu or call 612-625-2020 for more information. 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 as part of New Student Orientation and Welcome Week before their first semester of enrollment. College faculty and staff, together with staff from the University’s Orientation and First-Year Programs Office, introduce students to resources and services of the University and college. During New Student Orientation, 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 online 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 online, along with a variety of planning resources. Before they come to campus, students should use this information to identify various majors of interest, clarify their goals for the first semester, and take recommended placement tests to prepare for course selection.

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) or visit http://iamnew.class.umn.edu.

Degrees/Majors
CLA offers five bachelor’s degrees—the 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.Mus.). 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—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—The Department of Art and the Department of Theatre Arts and Dance 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—Offered in six areas—child psychology; economics; geography; sociology; sociology of law, criminology, and deviance; and urban studies—the B.S. provides a more specialized concentration than the B.A.

Bachelor of Individualized Studies—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 a committee and three department or faculty advisers.

Bachelor of Music—The School of Music offers the B.Mus. 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—Students may complete two undergraduate degrees concurrently by applying for dual degree status. Students should contact their college office for more information.

Second Degrees, Second Majors, Minors—Students who have earned a bachelor’s degree at another institution may earn a CLA bachelor’s degree with a different major by completing all degree requirements, including 30 UMTC semester credits. Students who are CLA graduates or who are in the process of earning a CLA degree, may earn a different, additional CLA bachelor’s degree by completing a total of 150 semester credits and meeting all requirements for the second degree.

CLA graduates who are interested in completing requirements for a second major, but not for a second bachelor’s degree in the college, may complete requirements for another major and have that accomplishment recorded on their official transcript. Students enrolled in other Twin Cities colleges may earn majors or minors in CLA.

Graduating with Distinction and/or Latin Honors—CLA students may graduate “with distinction,” recognition of a cumulative GPA of 3.75 or higher; or “with high distinction,” recognition of a cumulative GPA of 3.90 or higher. Those enrolled in the University Honors Program may also earn Latin Honors. For more information, see the Policies and University Honors Program sections at the front of this catalog.
Major and Minor Programs

CLA offers major and minor programs in the following subjects. See the following Degree Programs section for specific information about each program.

- Acting (major only)
- African American and African studies
- American Indian studies
- American studies
- Ancient Mediterranean studies (major only)
- Anthropology
- Architecture (major only)
- Art
- Art history
- Asian languages and literatures
- Astrophysics
- Biology, society, and environment (major only)
- Chemistry
- Chicano studies
- Child psychology
- Classical and Near Eastern archaeology
- Classical civilization
- Communication studies
- Computer science
- Cultural studies and comparative literature
- Dance (major only)
- Economics
- English
- French and Italian studies (major only)
- French studies
- Gender, women and sexuality studies
- Geography
- Geology
- German studies
- Global studies
- Greek
- Hebrew
- History
- Individualized studies (major only)
- Individually designed interdepartmental major (major only)
- Italian studies
- Jewish studies
- Journalism (major only)
- Latin
- Linguistics
- Mathematics
- Music
- Music education (major only)
- Music performance (major only)
- Music therapy (major only)
- Philosophy
- Physics
- Physiology (major only)
- Political science
- Psychology
- Religious studies
- Russian
- Scandinavian languages and Finnish (major only)
- Scientific and technical communication (major only)
- Sociology
- Sociology of law, criminology, and deviance
- Spanish studies
- Spanish and Portuguese studies (major only)
- Speech-language-hearing sciences
- Statistics
- Studies in cinema and media culture
- Theatre arts
- Urban studies

Additional minor programs

CLA offers additional minor programs in the following subjects.

- Asian American studies
- Austrian and Central European studies
- Biblical studies
- Comparative U.S. race and ethnicity
- Danish
- Dutch studies
- East Asian studies
- English as a second language (ESL)
- Environmental geosciences
- European area studies
- Finnish
- Gay, lesbian, bisexual, transgender
- Geographic information science
- History of medicine
- History of science and technology
- Humanities in the West
- Land, nature, and environmental values
- Latin American studies
- Learning abroad
- Mass communication
- Medieval studies
- New media studies
- Norwegian
- Portuguese studies
Preparation for Professional Programs
Students may prepare in CLA for the following University professional programs. (Preparation for these involves one to four years of study in CLA).
- Architecture
- Clinical laboratory sciences
- Dental hygiene
- Dentistry
- Education
- Law
- Management
- Medicine
- Mortuary science
- Nursing
- Occupational therapy
- Pharmacy
- Physical therapy
- Public affairs
- Public health
- Recreation, park, and leisure studies
- Veterinary studies

CLA Majors

Major Sequences — 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 70 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.

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. The department or students’ major advisers may modify individual major programs. Admission to major status in some CLA degree programs requires department permission. See 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 these courses 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 American and African studies, American studies, studies in cinema and media culture, classical civilization, individually designed interdepartmental major, global studies, Jewish studies, Latin American studies, and urban 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.

Individualized Degree — Students interested in developing an individualized degree have two options: the bachelor of individualized studies (B.I.S) or the individually designed interdepartmental major (I.D.I.M.). Both programs require students to take initiative in proposing courses, developing a written proposal, and working closely with their advisers. An individualized degree program must be approved by the Individualized Degree Programs Committee and three department or faculty advisers. For more information, see the Degree Programs section of this catalog.

The B.I.S. degree allows students to design an individualized program made up of three concentrations totaling 50 upper-level credits. The program must demonstrate coherence based on the stated academic objectives and allow for multiple educational objectives. One concentration outside of CLA is allowed, provided it is relevant to the individual student’s objectives and is approved by the student’s advisers. The I.D.I.M. major allows students to design a unique program with an interdisciplinary theme or focus tailored to their individual academic interests. The major combines coursework from three or more CLA departments for an overall total of 50 credits (40 credits at the upper level) and a required senior project integrating the areas of concentration.

Double Major — Students may earn a second major in CLA. Those interested in pursuing a double major should consult with a CLA advising office to learn what steps are necessary for their areas of interest. Students may also combine a CLA major with a major or minor from another college in the University.

Minors

A minor is an approved concentration of 14 or more 2xxx, 3xxx, 4xxx, and 5xxx credits. A minor is not required for graduation, but is an option for all students at the University. CLA students may choose a minor from another college at the University; likewise, all CLA minors are open to students in other colleges.

University Honors Program

The University Honors Program (UHP) offers rigorous and interdisciplinary curricula along with other honors experiences designed for highly qualified and motivated students. Honors courses, available only to honors students, offer small class size, close interaction with world-class faculty, and an engaging learning atmosphere. The University Honors Program serves honors students in all colleges. See the University Honors Program section at the front of this catalog for more information, or visit the
Students admitted to honors before fall 2008 will continue to follow the honors requirements outlined at the time they entered their college honors program. All students admitted to honors as of fall 2008 forward follow the requirements of the University Honors Program. Students admitted to a college honors program before fall 2008 and who change colleges, must apply to UHP if they want to participate in Honors. If admitted, they will be held to the new UHP requirements. See the University Honors Program section of this catalog for further instructions on how to apply.

Policies

Scholastic Standing—The Student Scholastic Standing Committee, comprised of collegiate administrators and advisers, interprets and enforces college and University regulations relating to academic affairs. It handles requests for exceptions to registration policies and procedures as well as 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.

Late Cancellation—CLA students must follow the University Late Cancellation policy listed in the Policies section of this catalog. 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.

Retention of Student Records—Official transcripts are maintained permanently by the Office of the Registrar. The college files of students who leave CLA are retained for seven years; college files of students who applied for graduation but did not graduate 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 Career Services Office.

Graduation Requirements

For general University requirements and Liberal Education Requirements, see Graduation Requirements in the Policies section of this catalog. For specific program requirements, see the CLA Degree Programs in the following pages.

General 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 3xxx, 4xxx, and 5xxx courses.

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, computer applications, first aid, and courses clearly remedial or vocational in nature may not be applied toward any credit requirements.

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. Students who earn a C- or better, or S, in a Twin Cities campus language sequence course may request to have preceding courses in the sequence (second-semester level or higher) posted retroactively if they have not already received college credit for equivalent courses at another institution. Students should contact their advising office for more information.

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

CLA Entrance Proficiency Test—All students who wish to register for French, German, or Spanish courses beyond the second semester must pass the appropriate entrance proficiency test. 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 CLA Language Testing Program (612-624-0862) or see the website at http://langtest.umn.edu for testing and placement information.

Graduation Requirement—Students have two options for completing the second language requirement for the B.A., B.F.A. in Art, and B.I.S. degrees:

1. A grade of C- or better, or S, in a fourth-semester University of Minnesota language course. Transfer courses will fulfill this requirement if they are at least a 4-credit, fourth semester (or sixth quarter) course.

2. A passing score on the Language Proficiency Exam (LPE), which tests at the fourth semester level. A transcript line will be added for those who pass the LPE.

Languages for which LPEs are available include Arabic, Chinese, Danish, Dutch, Finnish, French, German, Hindi, Irish, Italian, Japanese, modern Hebrew, Norwegian, Portuguese, Russian, Spanish, and Swedish. The University does not offer LPEs for Dakota, Biblical Greek, Classical Greek, Biblical Hebrew, Hmong, Korean, Latin, or Ojibwe.
Advising

College advisers in academic departments and student communities offer students individual help in planning their studies and addressing other concerns they might have about college life. CLA student communities assist with course selection, registration, vocational and personal decisions, financial problems, and involvement in campus activities.

Based on their preferred interest or major, students are assigned to one of seven student communities (organized by groups of majors) or a special program where they remain throughout their CLA career. Students are also assigned to a career service liaison. The basic services offered by these teams are designed to meet students’ developmental needs, support students’ search for fields of study appropriate to their visions and potential, monitor their academic progress, and help them to be more informed about their choices.

Wise use of the advising system can make students’ college experience more satisfying and productive. Students should take pertinent records and materials to adviser appointments, and prepare for program planning sessions by giving careful thought to possible course selections, program schedules, and short- and long-term education and career goals, and reviewing their transcript 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 Student Community. This community provides advising and procedural information. To contact a student community or to find a major and its communities, see the CLA Student Services website, www.class.umn.edu, or call the CLA Student Information Office (612-625-2020).

Advising for Special Programs

Access to Success Program
306 Wesbrook Hall
612-624-7729
http://ats.class.umn.edu

McGuire Academic Program
306D Wesbrook Hall
612-624-7741
http://mcguire.umn.edu

Martin Luther King Jr. Program
19 Johnston Hall (80 Appleby Hall as of fall 2010)
612-625-2300
http://mlk.class.umn.edu

The Martin Luther King, Jr. Program is designed for students who are interested in a multicultural education. It 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.

University Honors Program
20 Nicholson Hall
612-624-5522
www.honors.umn.edu

Special Learning Opportunities and Resources

Service-Learning and Volunteer Opportunities

240 Appleby Hall
612-626-2044
www.servicelearning.umn.edu

csl@umn.edu

Students can deepen their education through volunteering and service-learning courses. The Community Service-Learning Center provides programs and advising related to these areas, and is open to all students at the University of Minnesota, Twin Cities. This office can help students find volunteer opportunities to fit their individual interests, values, and goals. It also administers U of M service-learning courses. These combine academic studies with volunteer work related to the course subject. (Students typically volunteer two to three hours per week for the service portion of the course.) Different service-learning courses are offered each semester. Browse the class list at www.servicelearning.umn.edu/info. Contact the Community Service-Learning office at 612-626-2044 or 240 Appleby Hall.

Students who are interested in public service should consider participating in the Community Engagement Scholars Program. This program offers formal University recognition for volunteer work and service-learning courses. In addition to the formal recognition, it provides a valuable way for students to contribute to the local community and gain experience. For more information, see www.servicelearning.umn.edu/CESP, or contact the Community Service-Learning office.

Off-Campus Study

240 Appleby Hall
612-626-2044
www.offcampusstudy.umn.edu

University of Minnesota students can choose from multiple off-campus programs, including National Student Exchange (NSE) and HECUA. NSE allows students to study for a semester, summer, or year at another school in the United States or Canada. Students can choose from about 200 schools. The HECUA program allows students to study in the Twin Cities area while focusing on social justice issues. Twin Cities HECUA programs include City Arts, Environmental Sustainability, Writing and Social Change, Metro Urban Studies Term, Civil Rights Movement, and Environment and Agriculture. Learn more about NSE and HECUA at www.offcampusstudy.umn.edu, or visit the Off-Campus Study Office in 240 Appleby Hall.

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 paid, others unpaid. Internships are available in government, business, human services, science and technology, health care, ecology, education, the arts, broadcasting, publishing, and many other fields.
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 in the form of the “CLA Undergraduate Internship Grant,” which funds students doing otherwise unpaid internships in the community. Talk to the CLA Career Services office for information on both credit and the grant program.

**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 1-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 more information about FLAC or FLIP, contact the Institute of Global Studies at 612-624-9007 or see [http://igs.cla.umn.edu](http://igs.cla.umn.edu).

**Special Achievement**

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

To appear on the Dean’s List, students must complete at least 12 credits of A-F registration, with no N’s, and earn a semester GPA of at least 3.666.

If students believe they qualify for the list but are not included, they should contact the Office of the Assistant Dean for Student Services in 106 Johnston Hall (612-625-3846).

**Educational Opportunities Abroad**

CLA credit for study abroad may be earned through participation in more than 300 University of Minnesota programs in 70 countries, or through a multitude of outside programs for transfer credit, or through independent study. Many non-credit educational programs abroad such as work, internships, or volunteering are also offered. See Learning Abroad in the General Information section of this catalog or for more information, contact the Learning Abroad Center (612-626-9000), by email at [UMabroad@umn.edu](mailto:UMabroad@umn.edu), or on the Web at [www.UMabroad.umn.edu](http://www.UMabroad.umn.edu).

Nearly all CLA departments have cooperated with the Learning Abroad Center to create advising resources on education abroad, including Study Abroad Major Advising major sheets. See [www.UMabroad.umn.edu/academic/majors/index.html](http://www.UMabroad.umn.edu/academic/majors/index.html).

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**CLA Information**

**CLA Career Services**

135 Johnston Hall  
(411 Science Teaching & Student Services as of fall 2010)  
612-624-7577  
[www.cclc.umn.edu](http://www.cclc.umn.edu)

The CLA career office provides personal assistance and resources to all CLA students, every year they attend the University of Minnesota. All CLA students can take advantage of this office to explore CLA majors and connect them to career options. This office also helps students search and apply for internships, jobs, or graduate schools, and prepare for the world of work. These services are provided through individual appointments with career counselors, a resource library full of materials students can browse without appointment, educational materials online, career interest assessments, resume critiques, career classes, workshops, events, and an on-campus recruiting program. CLA students are welcome to visit the office to learn more about its services.

**Graduate and Professional School Assistance**

Many CLA graduates choose to continue their education in graduate or professional school. The CLA Career Services Office helps students explore graduate school options, provides workshops on how to apply, and offers an annual “Graduate and Professional School Day” event, in which some 100 national graduate programs participate. To facilitate the graduate school application process, the CLA career office can help students track and organize their recommendation letters for graduate schools.

The CLA career office is also the pre-law advising office for all students on the Twin Cities campus. It helps students explore the legal profession, and prepare for and apply to law school. For in-depth pre-law information, or for instructions about scheduling a pre-law advising appointment, see [www.cclc.umn.edu/prelaw](http://www.cclc.umn.edu/prelaw).

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**Student Organization**

**Student Board**

12 Johnston Hall  
612-626-0348  
[clasb@umn.edu](mailto:clasb@umn.edu)  
[www.tc.umn.edu/~clasb](http://www.tc.umn.edu/~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. A staff member from CLA Undergraduate Programs/Student Services typically participates in an advisory capacity to the Student Board.
Directory

Student Services

Career Services Office
135 Johnston Hall
(411 Science Teaching & Student Services as of fall 2010)
612-624-7577

Community Service-Learning Center
240 Appleby Hall
612-626-2044

Language Center
110 Jones Hall
612-625-3865

Off-Campus Study Office
240 Appleby Hall
612-626-2044

Student Board
12 Johnston Hall
612-626-0348

Writing, Center for
10 Nicholson Hall
612-626-7579

Schools, Centers, Departments, and Programs

Department of African American and African Studies
808 Social Sciences Building
612-624-9847

Department of American Indian Studies
2 Scott Hall
612-624-1338

Department of American Studies
104 Scott Hall
612-624-4190

Department of Anthropology
395 Hubert H. Humphrey Center
612-625-3400

Department of Art
E201 Regis Center for Art
612-625-8096

Department of Art History
338 Heller Hall
612-624-4500

Asian American Studies Program
104 Scott Hall
612-626-2022

Department of Asian Languages and Literatures
136 Klaeber Court until fall 2011
(Returning to Folwell Hall fall 2011)
612-625-6534

Center for Austrian Studies
314 Social Sciences Building
612-624-9811

Department of Chicano Studies
19 Scott Hall
612-624-6309

Classical Civilization Program
245 Nicholson Hall
612-625-7565

Department of Classical and Near Eastern Studies
245 Nicholson Hall
612-625-5353

Center for Cognitive Sciences
5205 Elliott Hall
612-625-9367

Department of Communication Studies
225 Ford Hall
612-624-5800

Department of Cultural Studies and Comparative Literature
235 Nicholson Hall
612-624-8099

Center for Early Modern History
715 Social Sciences Building
612-625-6303

Department of Economics
4101 Hanson Hall
612-625-6353

Department of English
207 Lind Hall
612-625-3363

Center for Advanced Feminist Studies
425 Ford Hall
612-624-6310

Department of French and Italian
101 Klaeber Court until fall 2011
(Returning to Folwell Hall fall 2011)
612-624-8308

Department of Gender, Women and Sexuality Studies
425 Ford Hall
612-624-6006

Department of Geography
414 Social Sciences Building
612-625-6080

Department of German, Scandinavian, and Dutch
192 Klaeber Court until fall 2011
(Returning to Folwell Hall fall 2011)
612-625-2080

Institute for Global Studies
214 Social Sciences Building
612-624-9007

Center for German and European Studies
309 Social Sciences Building
612-626-7705

Consortium for the Study of the Asias
337 Social Sciences Building
612-625-6103

European Studies Consortium
214 Social Sciences Building
612-625-1856

Human Rights Program
235 Social Sciences Building
612-626-7947

Modern Greek Studies
325 Social Sciences Building
612-624-4526

Department of History
1110 Heller Hall
612-624-2800

Center for Holocaust and Genocide Studies
100 Nolte Center for Continuing Education
612-626-2235

Humanities Program
831 Heller Hall
612-625-6563

Immigration History Research Center
311 Anderson Library
612-625-4800

Individualized Degree Programs
30 Johnston Hall
612-624-8006

Institute for Advanced Study
131 Nolte Center for Continuing Education
612-625-5054

Humanities Institute
131 Nolte Center for Continuing Education
612-625-5054

Center for Jewish Studies
150B Nicholson Hall
612-624-4914

Center for Medieval Studies
302 Nolte Center for Continuing Education
612-625-0805

Department of Integrative Biology and Physiology
6-125 Jackson Hall
612-625-5902
School of Journalism and Mass Communication  
111 Murphy Hall  
612-625-9824

Minnesota Journalism Center  
115 Murphy Hall  
612-626-1723

Silha Center for the Study of Media Ethics and Law  
421 Murphy Hall  
612-625-3421

Institute for New Media Studies  
313 Murphy Hall  
612-625-0576

Center for Advanced Research on Language Acquisition  
619 Heller Hall  
612-626-8600

Institute of Linguistics  
214 Nolte Center for Continuing Education  
612-624-3331

MacArthur Program Interdisciplinary Center for the Study of Global Change  
537 Heller Hall  
612-624-0832

School of Music  
100 Ferguson Hall  
612-624-5093

Department of Philosophy  
831 Heller Hall  
612-625-6563

Minnesota Center for Philosophy of Science  
746 Heller Hall  
612-625-6635

Physiology, Department of Integrative Biology and  
6-125 Jackson Hall  
612-625-5902

Center for Political Psychology  
1227 Social Sciences Building  
612-624-0864

Department of Political Science  
1414 Social Sciences Building  
612-624-4144

Department of Psychology  
N218 Elliott Hall  
612-625-2818

Religious Studies Program  
245 Nicholson Hall  
612-625-2026

Program in Second Language Studies  
214 Nolte Center for Continuing Education  
612-626-4802

Program in Slavic Languages and Literatures  
192 Klaeber Court until fall 2011  
(Returning to Folwell Hall fall 2011)  
612-626-4802

Social Science Research Facility  
25 Blegen Hall  
612-625-8556

Department of Sociology  
909 Social Sciences Building  
612-624-4300

Life Course Center  
1014 Social Sciences Building  
612-624-6333

Department of Spanish and Portuguese Studies  
206 Eddy Hall until fall 2011  
(Returning to Folwell Hall fall 2011)  
612-625-5858

Department of Speech-Language-Hearing Sciences  
115 Shevlin Hall  
612-624-3322

School of Statistics  
313 Ford Hall  
612-625-8046

Statistical Clinic  
48 McNeal Hall  
612-625-3121

Statistical Consulting Services  
48 McNeal Hall  
612-625-7030

Department of Theatre Arts and Dance  
580 Rarig Center  
612-625-6699

Barbara Barker Dance Center  
612-624-5060

University Theatre  
110 Rarig Center  
612-625-5380

Urban Studies Program  
348 Social Sciences Building  
612-626-1626

Department of Writing Studies  
180 Wesbrook Hall  
612-624-3445
College of
LIBERAL ARTS

Degree Programs and Minors

Acting B.F.A.

Theatre Arts and Dance
- Required credits to graduate with this degree: 120.
- Required credits within the major: 78.

The B.F.A. in acting is an intensive, individualized, actor training program that uses both faculty from theatre and dance as well as the Guthrie Theater’s professional artistic staff to provide selected students with the physical, vocal, emotional, and intellectual skills necessary to succeed as working performance artists. The degree is intended to prepare students for entry into advanced education at a conservatory and/or graduate school, for professional employment.

Admission Requirements

Entry into the B.F.A. acting program is by audition only and students are admitted only in fall semester.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Freshman Courses
TH 1391—BFA Acting I (3 cr)
TH 1392—BFA Voice and Speech I (2 cr)
TH 1393—BFA Movement I (2 cr)
TH 3503—Design and Technical Production I: BFA (3 cr)
or TH 3513—Design and Technical Production I (4 cr)
TH 1395—BFA Acting II (3 cr)
TH 1396—BFA Voice and Speech II (2 cr)
TH 3397—BFA Movement II (2 cr)
ENGL 1181W—Introduction to Shakespeare, LITR, WI (4 cr)
TH 3505—Design and Technical Production II: BFA (3 cr)
or TH 3515—Design and Technical Production II (4 cr)

Sophomore Courses
TH 2391—BFA Acting III (3 cr)
TH 2392—BFA Voice and Speech III (2 cr)
TH 2393—BFA Movement III (2 cr)
TH 3171—History of the Theatre: Ancient Greece Through Neo-Classicism (3 cr)
TH 2395—BFA Acting IV (3 cr)
TH 2396—BFA Voice and Speech IV (2 cr)
TH 2397—BFA Movement IV (2 cr)
TH 3172—History of the Theatre: Age of Enlightenment to Present (3 cr)

Junior Courses
Fall semester of the junior year is in the London Study Abroad program.
TH 3391—BFA Acting V (3 cr)
TH 3392—BFA Voice and Speech V (2 cr)
TH 3393—BFA Movement V (2 cr)
TH 3395—BFA Intensive I (2 cr)
TH 3398—BFA Rehearsal and Performance I (2 cr)
TH 3399—BFA Rehearsal and Performance II (2 cr)
TH 4532—Makeup for the Actor (2 cr)
Movement Elective

Senior Courses
TH 4391—BFA Intensive II (2 cr)
TH 4393—BFA Rehearsal and Performance III (2 cr)
TH 4394—BFA Rehearsal and Performance IV (2 cr)
Movement Elective
TH 4395—BFA Intensive III (2 cr)
TH 4398—BFA Rehearsal and Performance V (2 cr)
TH 4399—BFA Rehearsal and Performance VI (2 cr)
Movement Elective
Theatre Department Elective
TH 4177W—Survey of Dramatic Literature I: Strategic Interpretation, WI (3 cr)
or TH 4178W—Survey of Dramatic Literature II: Representation and its Effects, WI (3 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

African American and African Studies B.A.

African American/African Studies
- Required credits to graduate with this degree: 120.
- Required credits within the major: 30.

The African American and African Studies major integrates the global study of African peoples by teaching students the tools of inquiry from the liberal arts disciplines. Majors can also take courses in the departmental curriculum that fulfill the University-wide diversified core requirements and the designated theme requirements (see registration under One Stop for more information). Honors and freshman seminars are also offered.

The core requirement for the major is a combination of courses from one of three disciplinary clusters or two regional concentrations. These include 1) literatures and arts of the African world 2) histories and historiography of the African world 3) social and behavioral science perspectives on the African world 4) the African continent and 5) the African diaspora.

The Department of African American and African Studies fully integrates African and Middle East languages into its undergraduate curriculum and learning abroad opportunities. The department prepares students intellectually to examine and participate in an ethno-national culture and for world citizenship. The languages include Arabic (spoken throughout North Africa and the Middle East), Swahili (spoken throughout East, Central, and South Africa), and Hausa (spoken in West Africa from Senegal to Sudan, fall 2007). Students are required to take 4
semester(s) of Arabic, Swahili, or Hausa; or a relevant Indo-European language such as French, German, Dutch, Portuguese, or Spanish.

**Admission Requirements**
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Preparatory Coursework**
AFRO 1012—Black Worlds in Global Perspective: Challenges and Changes, CD, IP (3 cr)

**Program Requirements**
Students are required to take 4 semester(s) of Arabic, Swahili, Hausa, French, German, Dutch, Portuguese, or Spanish.

Students complete 3 credits in preparatory coursework (AFRO 1012) and 9–10 credits in the following areas: one “ways of knowing” course, one history of the field course, and one 3xxx, 4xxx, or 5xxx statistics or field methods course approved by the undergraduate adviser. They also complete 9 AFRO upper division credits in one of five disciplinary clusters or regional concentrations: history, literature and the arts, social and behavioral sciences, Africa, or African diaspora; as well as 3 credits in a course examining gender issues, a 3 credit capstone seminar (AFRO 4573 or other 4xxx seminar), and 3 credits of a senior project thesis, for a total of at least 30 credits.

**Major Requirements**
The following 1xxx courses are not required for upper division courses, but students are strongly encouraged to complete one or more, depending on their declared disciplinary focus: AFRO 1009, 1011, and 1021.

AFRO 1012—Black Worlds in Global Perspective: Challenges and Changes, CD, IP (3 cr)
AFRO 4102—Ways of Knowing in Africa and the African Diaspora (3 cr)
AFRO 4575—History of the Field: Development of African American, African, and African Diasporic Studies (3 cr)

**Statistics or Field Methods**
AFRO 5551—Methods: Use of Oral Traditions as Resources for History (3 cr) or
SOC 3801—Sociological Research Methods (4 cr) or
SOC 3811—BasicSocialStatistics, MATH (4 cr) or
STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)

**Gender Issues**
AFRO 3592W—Introduction to Black Women Writers in the United States, CD, LIT, WI (3 cr) or
AFRO 3625W—Black Women Writers in the Diaspora, LITR, GP, WI (3 cr) or
AFRO 3626—Literature of African American Men: Sex, Family, and Relationships (3 cr)

**Capstone Seminar**
AFRO 4xxx

**Senior Project**
Students must complete the senior project by registering for AFRO 4991W.
AFRO 4991W—Thesis Research and Writing, WI (3 cr)

**Disciplinary Clusters or Regional Concentrations**
Depending on the specific focus students are encouraged to take the following 1xxx courses: AFRO 1009, AFRO 1011, AFRO 1021.
Students are required to complete one of the following course groups.

**History**
AFRO 1009 is not required for upper division courses, but students are strongly encouraged to complete it if they are concentrating in history.

*Take 9 or more credits from the following:*
AFRO 3001—West African History: Early Times to 1800 (3 cr)
AFRO 3002—West African History: 1800 to Present (3 cr)
AFRO 3006—Impact of African Migrations in the Atlantic World (3 cr)
AFRO 3120—Social and Intellectual Movements in the African Diaspora (3 cr)
AFRO 3204—History of South Africa to 1910 (3 cr)
AFRO 3205—History of South Africa from 1910 (3 cr)
AFRO 3431—Early Africa and Its Global Connections, HIS, GP (4 cr)
AFRO 3432—Modern Africa in a Changing World, HP, IP (4 cr)
AFRO 3437—History of East Africa (3 cr)
AFRO 3436—Historical Background to Contemporary African Conflicts: Case Studies (3 cr)
AFRO 3439—Popular Narratives of the African Past (3 cr)
AFRO 3511 [Approval Pending]
AFRO 3576—Social and Cultural History of Blacks in Sports (3 cr)
AFRO 3864—African American History: 1619 to 1865 (4 cr)
AFRO 3865—African American History: 1865 to the Present (4 cr)
AFRO 3866—The Civil Rights and Black Power Movement, 1954-1984 (3 cr)
AFRO 4001—Seminar: History of Women in South Africa (3 cr)
AFRO 5437—History of East Africa (3 cr)

**Literature and the Arts**
*Take 9 or more credits from the following:*
AFRO 3108—Black Music: A History of Jazz (3 cr)
AFRO 3112—In the Heart of the Beat: the Poetry of Rap (3 cr)
AFRO 3301—The Music of Black Americans (3 cr)
AFRO 3357—Arts of Africa (3 cr)
AFRO 3585—African American Art (3 cr)
AFRO 3592W—Introduction to Black Women Writers in the United States, CD, LIT, WI (3 cr)
AFRO 3601W—African Literature, LITR, GP, WI (3 cr)
AFRO 3625W—Black Women Writers in the Diaspora, LITR, GP, WI (3 cr)
AFRO 3626—Literature of African American Men: Sex, Family, and Relationships (3 cr)
AFRO 3628—Literature of Rebellion: the Amistad and other Revolts (3 cr)
AFRO 3634—Blues and Rhythm and Blues (3 cr)
AFRO 3654—African Cinema (4 cr)
AFRO 4112—The Beat Goes on: Advanced Studies in the Poetry of Rap (3 cr)
AFRO 4302H—Honor: Women’s Personal Narratives, H (3 cr)
AFRO 4453—The African American Novel (3 cr)
AFRO 5597—Seminar: Harlem Renaissance (3 cr)
AFRO 4598—Seminar: Black Arts Renaissance, 1960s and 1970s (3 cr)
AFRO 4655—African American Cinema (3 cr)
AFRO 5181—Blacks in American Theatre (3 cr)
AFRO 5182—Contemporary Black Theatre: 1960-Present (3 cr)

**Social/Behavioral Science, Public Policy/Development**
AFRO 1011 and 1021 are not required for upper division courses, but students are strongly encouraged to complete one if they are concentrating in social and behavioral sciences, public policy/development.

*Take 9 or more credits from the following:*
AFRO 3061—The Black Family (3 cr)
AFRO 3072—Racism: Social and Psychological Consequences for Black Americans (3 cr)
AFRO 3141—Africancivilization (3 cr)
AFRO 3251W—Sociological Perspectives on Race, Class, and Gender, WI (3 cr)
AFRO 3334—Black Women: Interdisciplinary Perspectives (4 cr)
AFRO 3543—Psychology and the Black American Experience (3 cr)
AFRO 3405—The African American Child (3 cr)
AFRO 4231—The Color of Public Policy: African Americans, American Indians, and Chicano/as in the United States (3 cr)
AFRO 5072—Racism: Social and Psychological Consequences for Black Americans (3 cr)
AFRO 5405—The African American Child (3 cr)

Africa
AFRO 1009 and 1021 are not required for upper division courses, but students are strongly encouraged to complete one if they are concentrating in Africa and African development.

Take 9 or more credit(s) from the following:
AFRO 3001—West African History: Early Times to 1800 (3 cr)
AFRO 3002—West African History: 1800 to Present (3 cr)
AFRO 3006—Impact of African Migrations in the Atlantic World (3 cr)
AFRO 3141—Africa (3 cr)
AFRO 3204—History of South Africa to 1910 (3 cr)
AFRO 3205—History of South Africa from 1910 (3 cr)
AFRO 3431—Early Africa and Its Global Connections, HIS, GP (4 cr)
AFRO 3432—Modern Africa in a Changing World, HP, IP (4 cr)
AFRO 3578—Arts of Africa (3 cr)
AFRO 3654—African Cinema (4 cr)
AFRO 4013—Cities in Africa: African, Islamic, European Traditions (3 cr)
AFRO 4024—Cities in Africa: African, Islamic, European Traditions (3 cr)
AFRO 4031—The African American Experience in South Africa (3 cr)
AFRO 4047—History of East Africa (3 cr)
AFRO 5437—African Studies and Its Global Connections, HIS, GP (4 cr)
AFRO 5597—Methods: Use of Oral Traditions as Resources for History (3 cr)
AFRO 5551—The African Novel (3 cr)

African Diaspora
Take 9 or more credit(s) from the following:
AFRO 3006—Impact of African Migrations in the Atlantic World (3 cr)
AFRO 3120—Social and Intellectual Movements in the African Diaspora (3 cr)
AFRO 3251W—Sociological Perspectives on Race, Class, and Gender, WI (3 cr)
AFRO 3334—Black Women: Interdisciplinary Perspectives (4 cr)
AFRO 3431—Early Africa and Its Global Connections, HIS, GP (4 cr)
AFRO 3432—Modern Africa in a Changing World, HP, IP (4 cr)
AFRO 3539W—Introduction to African American Literature and Culture (3 cr)
AFRO 3578—Arts of Africa (3 cr)
AFRO 3625W—Black Women Writers in the Diaspora, LITR, GP, WI (3 cr)
AFRO 3852—Black Families in the Diaspora: Comparative Perspectives (3 cr)
AFRO 5597—African American Cinema (3 cr)
AFRO 5598—Sociology of the Black American Experience (3 cr)
AFRO 5599W—Seminar: The African American Experience in South Africa (3 cr)

Minor Requirements

American Indian Studies B.A.
American Indian Studies

• Required credits to graduate with this degree: 120.
• Required credits within the major: 33.
American Indian studies is dedicated to advancing awareness and understanding of the histories and contemporary experiences of American Indian people. The program focuses on the native peoples of the United States and Canada, but also draws on the experiences of indigenous peoples from other parts of the world. This multidisciplinary field looks at the histories, cultures, arts, languages, literatures, philosophies, religions, economies, politics, and legal status of indigenous peoples. The program also focuses on the many differences that have separated tribal nations as sovereign bodies and on the many similarities that unite them in common interests and causes. It gives special attention to the sovereignty of American Indian nations as this is expressed in all walks of life—from the preservation and revitalization of native languages to the protection and retention of native lands.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language. For the Language Track, the language must be Dakota or Ojibwe.

Preparatory Courses
AMIN 1001—American Indian Peoples in the United States, DSJ (3 cr)

Senior Project
AMIN 4990—Topics in American Indian Studies (1–4 cr) or AMIN 4991—Independent Study (1–12 cr)

Program Sub-plans
Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)
American Indian Studies Minor

- **Required credits in this minor:** 18.

American Indian studies is dedicated to advancing awareness and understanding of the histories and contemporary experiences of American Indian people. The program focuses on the native peoples of the United States and Canada, but also draws on the experiences of indigenous peoples from other parts of the world.

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**General Track (Sub-plan)**

The general track is intended for majors who do not wish to complete their second language requirement in Dakota or Ojibwe.

**Required Courses for the sub-plan**

**Major Courses**

*Take 33 or more credit(s) including 5 or more sub-requirement(s) from the following:*

- AMIN 1002—Indigenous Peoples in Global Perspective, GP (3 cr)
- or AMIN 1003—American Indians in Minnesota, HIS, DSJ (3 cr)

**Tribal Arts and Humanities (Group A)**

*Take 1 or more course(s) from the following:*

- AMIN 3201W—American Indian Literature, LITR, DSJ, W1 (3 cr)
- AMIN 3301—American Indian Philosophies, AH, DSJ (4 cr)
- AMIN 3401—American Indian Art, CD (4 cr)
- AMIN 3601—American Indian Oral Traditions, CD, LIT (3 cr)
- AMIN 5401—American Indian Intellectuals, CD (3 cr)
- AMIN 3402—American Indians and the Cinema, AH, DSJ (3 cr)
  - or AMIN 5402—American Indians and the Cinema, AH, DSJ (3 cr)
- AMIN 5303—American Indians and Photography, AH, DSJ (3 cr)
  - or AMIN 3303—American Indians and Photography, AH, DSJ (3 cr)

**Culture and History (Group B)**

*Take 1 or more course(s) from the following:*

- AMIN 3143—Language in American Indian Culture and Society (3 cr)
- AMIN 3701—Ojibwe Culture and History, HIS, DSJ (3 cr)
- AMIN 3711—Dakota Culture and History, HIS, DSJ (3 cr)
- AMIN 3713—Lands and Homelands in the American Indian Great Lakes (3 cr)
- AMIN 3870—Topics in American Indian History (3 cr)
- AMIN 3871—American Indian History: Pre-Contact to 1830 (3 cr)
- AMIN 3872—American Indian History: 1830 to the Present (3 cr)
- AMIN 3876—American Indian Education (3 cr)
- AMIN 3409—American Indian Women: Ethnographic and Ethnohistorical Perspectives, HIS, DSJ (3 cr)
  - or AMIN 5409—American Indian Women: Ethnographic and Ethnohistorical Perspectives (3 cr)

**Political, Social, and Policy Issues (Group C)**

*Take 1 or more course(s) from the following:*

- AMIN 3501—American Indian Tribal Governments and Politics, HIS, DSJ (3 cr)
- AMIN 3876—American Indian Education (3 cr)
- AMIN 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
- AMIN 4501—Law, Sovereignty, and Treaty Rights, C/PE (3 cr)
- AMIN 4515—Contemporary American Indian Movements (3 cr)
- AMIN 4525W—Federal Indian Policy, C/PE, W1 (3 cr)
- AMIN 3141—American Indian Language Planning (3 cr)
  - or AMIN 5141—American Indian Language Planning (3 cr)
- AMIN 4990—Topics in American Indian Studies (1–4 cr)
  - or AMIN 4991—Independent Study (1–12 cr)

**Electives**

*Take 15 or more credit(s) from the following:*

- AMIN 3xxx
- AMIN 4xxx
- AMIN 5xxx

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Language Track (Sub-plan)**

The language focus is designed for students who wish to deepen their understanding of the field by completing two years of either Dakota or Ojibwe.

Students must take four semesters of Dakota or Ojibwe. This will satisfy the CLA second language requirement.

**Required Courses for the sub-plan**

**Major Courses**

**Ojibwe Language Sequence**

- OJIB 1101—Beginning Ojibwe I (5 cr)
- OJIB 1102—Beginning Ojibwe II (5 cr)
- OJIB 3103—Intermediate Ojibwe I (5 cr)
- OJIB 3104—Intermediate Ojibwe II (5 cr)

**Dakota Language Sequence**

- DAKO 1121—Beginning Dakota I (5 cr)
- DAKO 1122—Beginning Dakota II (5 cr)
- DAKO 3123—Intermediate Dakota I (5 cr)
- DAKO 3124—Intermediate Dakota II (5 cr)

**Advanced Level Language Course**

- AMIN 3141—American Indian Language Planning (3 cr)
  - or AMIN 3143—Language in American Indian Culture and Society (3 cr)
  - or AMIN 3107—Structure of Anishinaabemowin, the Ojibwe Language (3 cr)
  - or AMIN 5107—The Structure of Anishinaabemowin, the Ojibwe Language (3 cr)
  - or AMIN 3108—History of Anishinaabemowin, the Ojibwe Language (3 cr)
  - or AMIN 5108—History of Anishinaabemowin, the Ojibwe Language (3 cr)
  - or AMIN 3109—Anishinaabe Literature (3 cr)
  - or AMIN 5109—Anishinaabe Literature (3 cr)

**Electives**

*Take 7 or more credit(s) including 2 or more sub-requirement(s) from the following:*

- AMIN 4990—Topics in American Indian Studies (1–4 cr)
  - or AMIN 4991—Independent Study (1–12 cr)

*Take 1 or more course(s) from the following:*

- AMIN 3xxx
- AMIN 4xxx
- AMIN 5xxx
Minor of Liberal Arts

Minor Requirements

Minor Courses
Take 18 or more credit(s) including 2 or more sub-requirement(s) from the following:
AMIN 1001—American Indian Peoples in the United States, CD, SSCI (3 cr)
or
AMIN 1002—Indigenous Peoples in Global Perspective, SSCI, IP (3 cr)
or
AMIN 1003—American Indians in Minnesota, CD, OH (3 cr)
Take 15 or more credit(s) from the following:
AMIN 3xxx
AMIN 4xxx
AMIN 5xxx

American Studies B.A.

American Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 33.
American studies is an interdisciplinary and comparative study of the United States as the outcome of migration, labor accumulation, land acquisition, cultural dissemination, the implantation of U.S. laws and policies, and identity formations around gender, sexuality, and race.
As an interdisciplinary field, American studies brings the social sciences and humanities together. Students and faculty interact in a variety of academic areas, including literature, history, sociology, anthropology, geography, cultural studies, art history, urban studies, political science, and women’s studies.
In addition, the Department of American Studies includes a minor in Asian American studies and cooperates with the Departments of African-American and African Studies, American Indian Studies, Chicano Studies, and Indian Studies, which makes it possible for students to concentrate their studies in one of those cultural areas.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Preparatory Courses
Take 2 or more course(s) from the following:
AMST 1xxx
AMST 2xxx

Proseminar Sequence
AMST 4961—Proseminar I (3 cr)
AMST 4962W—Second Proseminar in American Studies, WI (3 cr)

Major Courses
Complete seven upper division courses (21 credit minimum), including one course in world cultures. Up to three courses outside of AMST may be counted from AMST approved course list or with the approval of the director of undergraduate studies.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

American Studies Minor

• Required credits in this minor: 15.
American studies is an interdisciplinary and comparative study of the United States as the outcome of migration, labor accumulation, land acquisition, cultural dissemination, the implantation of U.S. laws and policies, and identity formations around gender, sexuality, and race.
As an interdisciplinary field, American studies brings the social sciences and humanities together.

Minor Requirements

Minor Courses
Take 15 or more credit(s) from the following:
AMST 3xxx
AMST 4xxx
AMST 5xxx

Ancient Mediterranean Studies B.A.

Classical and Near Eastern Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 37 to 39.
The program allows students to concentrate on literary and material remains from the Near East and the Mediterranean basin dating from ca. 3000 B.C.E. through 650 C.E. This long era of human history witnessed the development of the ancient civilizations of Mesopotamia, Israel, Egypt, Greece, and Rome—cultures, whose contributions remain fundamental to the modern western world. Students study the literature, history, and archaeology of these regions as a broad interconnected whole. They learn to evaluate and interpret a wide range of evidence from antiquity, as well as to appreciate the various methods by which meaning is extracted from the remains of other cultures and times.

Admission Requirements
Students are strongly encouraged to complete the Preparatory Courses requirements shown in Program Requirements prior to admission to the major.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.
Program Requirements

Students are required to take 4 semester(s) of any second language.

Preparatory Courses

Another course may fulfill this requirement with the approval of the director of undergraduate studies.

CNES 1001—World of the Bible: Religions, Empires, and Discourses of Power, HP (3 cr)
or CNES 1002—World of Greece (3 cr)
or CNES 1003—World of Rome, HIS (3 cr)
or CNES 1042—Greek and Roman Mythology, AH (4 cr)
or CNES 1042H—Honors Course: Greek and Roman Mythology, AH, H (4 cr)
or CNES 1043—Introduction to Greek and Roman Archaeology (4 cr)
or CNES 1044—Introduction to Near Eastern Archaeology (3 cr)
or CNES 1082—Jesus in History (3 cr)
or CNES 1201—The Bible: Context and Interpretation (3 cr)

Major Courses

At least 30 credits must be 3xxx courses or higher, with at least 9 credits from each of three groups. No course may be used to fulfill the credit requirement for more than one group.

Take 33 or more credit(s) from the following:

- Take 9 or more credit(s) from the following:
  - CNES 1001—World of the Bible: Religions, Empires, and Discourses of Power, HP (3 cr)
  - CNES 1044—Introduction to Near Eastern Archaeology (3 cr)
  - CNES 3172—Archaeology of Israel (3 cr)
  - CNES 3202—Prophecy in Ancient Israel (3 cr)
  - CNES 3203—The Bible: Wisdom, Poetry, and Apocalyptic (3 cr)
  - CNES 4051—Ancient Near East and Egypt: Neolithic to 1500 BCE (3 cr)
  - CNES 4052—Ancient Near East and Egypt: 1500 to 323 BCE (3 cr)
  - CNES 5051—Before Herodotus: History and Historiography of Mesopotamia and the Ancient Near East (3 cr)

- Take 9 or more credit(s) from the following:
  - CNES 5251—Archaeology of Herodian Israel (3 cr)
  - ANTH 1003W—Understanding Cultures, IP, SSCI, WI (4 cr)
  - ANTH 1001—Human Evolution, BIOL (4 cr)
  - ANTH 1005W—Introduction to Cultural Diversity and the World System, WI (4 cr)

- Take 9 or more credit(s) from the following:
  - CNES 1201—The Bible: Context and Interpretation (3 cr)
  - CNES 1082—Jesus in History (3 cr)
  - CNES 1043—Introduction to Greek and Roman Archaeology (4 cr)
  - CNES 3081W—Classical Epic in Translation, LITR, WI (3 cr)
  - CNES 5083—Ancient Comedy (3 cr)
  - CNES 5172—House, Villa, Tomb: Roman Art in the Private Sphere (3 cr)
  - CNES 5182—Art and the State: Public Art in the Roman Empire (3 cr)
  - CNES 3073—Roman Religion and Early Christianity (3 cr)
  - CNES 5073—Roman Religion and Early Christianity (3 cr)
  - CNES 3081W—Classical Epic in Translation, LITR, WI (3 cr)
  - CNES 5083—Ancient Comedy (3 cr)

Senior Project

Students should get a copy of the departmental statement on major projects from the director of undergraduate studies or department office. Students who complete a major project for another CLA major are not required to complete one for ancient Mediterranean studies.

CNES 3951W—Major Project, WI (4 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Anthropology B.A.

Anthropology

- Required credits to graduate with this degree: 120.
- Required credits within the major: 35.

Anthropology is the study of human beings and cultures throughout the world and throughout history and prehistory. Anthropology majors receive a complete liberal arts education, because the discipline is part natural science, part social science, and part humanistic study. Anthropology courses look at humans from evolutionary, historical, and cultural perspectives, in areas of globalization, politics, race, and cultural diversity. Anthropology majors take courses in cultural, biological, archaeological, and linguistic anthropology and are encouraged to specialize in one of these subfields by their junior year.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Preparatory Courses

ANTH 1001—Human Evolution, BIOL (4 cr)
ANTH 1005W—Introduction to Cultural Diversity and the World System, WI (4 cr)
Major Courses
Take 3 or more course(s) from the following:
ANTH 3001—Introduction to Archaeology, SOCS (4 cr)
ANTH 3002—Sex, Evolution, and Behavior: Examining Human Evolutionary Biology (4 cr)
ANTH 3003—Cultural Anthropology (3 cr)
ANTH 3005W—Language, Culture, and Power, CD, WI (4 cr)

Electives
Students must take five electives, at least three of which must be 4xxx or 5xxx. Students who do not pursue senior project research must take six electives. Directed studies, reading, and research courses can be used to satisfy part of the elective course requirement. The combined number of directed studies, reading, and research credits that can satisfy elective requirements is normally limited to six credits. Special topics courses can be used to satisfy part of the electives requirement.
Take 2 or more course(s) from the following:
ANTH 3xxx
ANTH 4xxx
ANTH 5xxx
Take 3 or more course(s) from the following:
ANTH 4xxx
ANTH 5xxx

Senior Project
Choose one of the following two options to complete the senior project requirement.
ANTH 3913—Senior Project Planning (1 cr)
ANTH 4013—Senior Project (1-3 cr)
ANTH 4011—Senior Seminar (3 cr)
or
Take 3 or more credit(s) from the following:
ANTH 4xxx
ANTH 5xxx

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html. Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Anthropology Minor
• Required credits in this minor: 16.
  Anthropologists study human communities, near and far, past and present, and explore how seemingly unrelated aspects of a society are connected and how societies are linked to one another.

Minor Requirements

Preparatory Courses
ANTH 1001—Human Evolution, BIOL SCI/L (4 cr)
or ANTH 1003W—Understanding Cultures, IP, SSCI, W1 (4 cr)
or ANTH 1005W—Introduction to Cultural Diversity and the World System, CD, IP, W1 (4 cr)

Minor Courses
Four three-credit courses that have a common focus are required. All 3xxx or higher courses, including special topics courses, may be used to meet this requirement.
Take 12 or more credit(s) from the following:
ANTH 3xxx
ANTH 4xxx
ANTH 5xxx

Architecture B.A.

School of Architecture
• Required credits to graduate with this degree: 120.
• Required credits within the major: 57 to 58.
Architecture encompasses the study and creation 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 existing environments and proposals through drawings and models; 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 society.

Admission Requirements
Students must complete 3 courses before admission to the program.
Students must also complete the first-year writing requirement (with a minimum grade of C-), all high school prep requirements, and a total of 30 credits.
Students interested in the B.A. with a major in architecture should see the prospective student adviser in 107 Rapson Hall, 612-626-3690.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
ARCH 1281—Design Fundamentals I (4 cr)
ARCH 1701—The Designed Environment (3 cr)

Program Requirements
Students are required to take 4 semester(s) of any second language.
All courses in math, physics, and English composition must be taken A-F with grades of C- or better to satisfy degree requirements and to progress in sequence courses.
During their program, students should maintain a portfolio of originals or duplicates of all freehand drawings, projects, and architecture studio designs. A portfolio is required for application to the graduate professional degree program.

Math and Physics Courses
MATH 1142—Short Calculus (4 cr)
or MATH 1271—Calculus I (4 cr)
PHYS 1101W—Introductory College Physics I, PHYS, W1 (4 cr)
or PHYS 1201W—Introductory Physics for Biology and Pre-medicine I, PHYS, W1 (3 cr)
or PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, W1 (4 cr)
Major Courses
In addition to the required courses, students must complete 6 or more architecture elective credits not used elsewhere in the program.
ARCH 2301—Introduction to Drawing in Architecture (4 cr)
ARCH 2281—Design Fundamentals II (4 cr)
ARCH 3411W—Architectural History to 1750, HIS, GP, W1 (3 cr)
ARCH 3412—Architectural History Since 1750 (3 cr)
ARCH 3611—Design in the Digital Age (3 cr)
ARCH 4561—Architecture and Ecology (3 cr)
ARCH 4701W—Introduction to Urban Form and Theory, W1 (3 cr)
LA 3501—Environmental Design and Its Biological and Physical Context, ENV (3 cr)
ARCH 3711W—Environmental Design and the Sociocultural Context, C/PE, W1 (3 cr)
or
ARCH 3711V—Honors: Environmental Design and the Sociocultural Context, C/PE, W1, H (3 cr)

Take 6 or more credit(s) from the following:
ARCH 3xxx
ARCH 4xxx

Architectural history elective
ARCH 4421W—Architecture and Interpretation: The Cave and the Light, W1 (3 cr)
or
ARCH 4423—Gothic Architecture (3 cr)
or
ARCH 4424—Renaissance Architecture (3 cr)
or
ARCH 4425—Baroque Architecture (3 cr)
or
ARCH 4431W—Eighteenth-Century Architecture and the Enlightenment, W1 (3 cr)
or
ARCH 4432—Modern Architecture (3 cr)
or
ARCH 4434—Contemporary Architecture (3 cr)
or
ARCH 4445W—Suburbia, WI (3 cr)
or
ARCH 4446—Architecture Since World War II: Post-War Experimentation; Aesthetics and Politics of Architecture (3 cr)
or
ARCH 4461—North American Indian Architecture (3 cr)

Design workshops
Take 4 (or more) credits(s) of design workshops (workshops may be 2–4 credits each).
ARCH 3250—Design Workshop (1–6 cr)

Credits outside the major
B.A. majors complete 18 credits of 3xxx–4xxx courses outside the major.

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Art B.A.

Art
• Required credits to graduate with this degree: 120.
• Required credits within the major: 38.

The program provides instruction in the visual arts by emphasizing the development of visual awareness and expression through hands-on involvement in the creative process. In the preparatory studio courses, students become familiar with the various materials and concepts used to understand the nature of the visual language. Students then choose additional courses from such areas as drawing, painting, ceramics, printmaking, photography, sculpture, time and interactivity, papermaking, and book arts.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Preparatory Courses
ARTS 1001—Concepts in Visual Art, OH (4 cr)
ARTS 1101—Drawing, OH (4 cr)
ARTS 1301—Sculpture, AH (4 cr)
or
ARTS 1801—Ceramics, AH (4 cr)
or
ARTS 1501—Printmaking: Intaglio and Lithography, AH (4 cr)
or
ARTS 1601—Experimental and Media Arts, AH (4 cr)
or
ARTS 1701—Photography, AH (4 cr)

Major Courses
Take 15 or more credit(s) from the following:
ARTS 3xxx
ARTS 4xxx
ARTS 5xxx

Take 2 or more course(s) totaling 6 or more credit(s) from the following:
ARTH 2xxx
ARTH 3xxx
ARTH 4xxx
ARTH 5xxx

Take no more than 3 credit(s) from the following:
ARTH 1xxx

Senior Project
ARTS 3444—Major Project (1–3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.
Art B.F.A.

Art

- Required credits to graduate with this degree: 126.
- Required credits within the major: 68.

The program provides in-depth instruction in the visual arts through a high concentration of coursework in the Department of Art. Admission is based on portfolio evaluation. The program is oriented toward professional practice or admission to a master’s degree program.

Admission Requirements

Students must complete 5 courses before admission to the program.

Art majors may apply to the B.F.A. degree program after completing the five preparatory core courses required in the major. Application is made by submitting a portfolio to a faculty committee for review. A faculty adviser is chosen upon admission to the B.F.A. program.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission

ARTS 1001—Concepts in Visual Art, OH (4 cr)
ARTS 1101—Drawing, OH (4 cr)
ARTS 1301—Sculpture, AH (4 cr)
or ARTS 1801—Ceramics, AH (4 cr)
ARTS 1501—Printmaking: Intaglio and Lithography, AH (4 cr)
or ARTS 1601—Experimental and Media Arts, AH (4 cr)
or ARTS 1701—Photography, AH (4 cr)
Take 4 or more credit(s) from the following:
ARTS 1xxx

Program Requirements

Students are required to take 4 semester(s) of any second language.

Students who wish to apply art courses from outside the University of Minnesota to the B.F.A. major requirements should contact the undergraduate adviser.

Major Courses

ARTS 5400—Seminar: Concepts and Practices in Art (3 cr)
ARTS 3496—Internship in the Arts (1–3 cr)
or ARTS 3499—Internship at Katherine E. Nash Gallery (3 cr)
Take 1 or more course(s) from the following:
ARTS 3401W—Critical Theories and Their Construction From a Studio Perspective, WI (3 cr)
ARTH 5417—Twentieth Century Theory and Criticism (3 cr)
CSDS 5301—Society, Ideology, and the Production of Art (3 cr)
CSDS 5302—Aesthetics and the Valuation of Art (3 cr)
CSCL 1001—Introduction to Cultural Studies: Rhetoric, Power, Desire (4 cr)
CSCL 1201—Introduction to Cinema and Media Culture, AH (4 cr)
CSCL 1300W—Reading Culture: Theory and Practice, AH, WI (4 cr)
CSCL 3115—Cinema and Ideology, AH (4 cr)
CSCL 3212W—Theories of Culture, AH, WI (3 cr)
CSCL 3458W—The Body and the Politics of Representation, WI (3 cr)
PHIL 3502W—Introduction to Aesthetics, WI (3 cr)
Take 3 or more course(s) totaling 9 or more credit(s) from the following:
ARTH 1xxx
ARTH 3xxx
ARTH 4xxx
ARTH 5xxx

Take no more than 1 course(s) from the following:
ARTH 1xxx
Take 30 or more credit(s) from the following:
ARTS 3xxx
ARTS 4xxx
ARTS 5xxx

Senior Project

B.F.A. candidates register with the faculty adviser and participate in a solo or small group exhibition at an adviser-approved gallery or exhibition space during the final semester.
ARTS 5444—Bachelor of Fine Arts Exhibition (1 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Art Minor

- Required credits in this minor: 20.

The minor introduces students to the creative process and visual thinking required in art.

Minor Requirements

Concepts in Visual Arts

ARTH 1001—Concepts in Visual Art, OH (4 cr)

Methods and Media

ARTH 1101—Drawing, OH (4 cr)
or ARTS 1301—Sculpture, OH (4 cr)
or ARTS 1501—Printmaking: Intaglio and Lithography, OH (4 cr)
or ARTS 1505—Papermaking, OH (4 cr)
or ARTS 1601—Time and Interactivity, OH (4 cr)
or ARTS 1701—Photography, OH (4 cr)
or ARTS 1801—Ceramics, OH (4 cr)

Art History

ARTH 3xxx
or ARTH 4xxx
or ARTH 5xxx

Electives

One course may be an additional 1xxx elective if a second media area is desired.
Take 3 or more course(s) from the following:
ARTS 3xxx
ARTS 4xxx
ARTS 5xxx
Art History B.A.

Art History

• Required credits to graduate with this degree: 120.
• Required credits within the major: 30.

Using a wide variety of methodological approaches, art history faculty help students develop an awareness and knowledge of the visual environments from all periods of history. All 1xxx courses and most 3xxx courses do not have prerequisites and are intended for general audiences. Students who intend to apply for graduate school are strongly encouraged to take as many 5xxx courses from as many different professors as possible.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Note regarding art history electives:

Students must take seven total electives—five 3xxx courses and two 5xxx courses.

These must include at least one course each from Ancient to ca. 1300, ca. 1300 to 1800, and 1800 to present.

Two of the required seven courses must also be from different unique geographic or cultural areas (Europe/North America, South and/or East Asia, Middle East and/or Islamic World, and Latin America).

Students are also encouraged to take courses from a variety of instructors to ensure exposure to various approaches and methods.

Art History Foundation

ARTH 1001—Introduction to Art History: Prehistoric to Contemporary, AH (3 cr)
or
ARTH 1002W—Why Art Matters, WI (4 cr)

Art Practice

This course must be a hands-on course such as sculpture, drawing, photography, or printmaking, rather than an art history course.

Other courses not on the list below may fulfill this requirement with the prior approval of the undergraduate adviser or director of undergraduate studies.

Take 3–4 credit(s) from the following:

ARTH 1101—Drawing, OH (4 cr)
ARTH 1102—Painting (4 cr)
ARTH 1301—Sculpture, AH (4 cr)
ARTH 1501—Intaglio and Lithography, AH (4 cr)
ARTH 1502—Printmaking: Relief, Screen, and Digital Processes, AH (4 cr)
ARTH 1601—Experimental and Media Arts, AH (4 cr)
ARTH 1701—Photography, AH (4 cr)
ARTH 1801—Ceramics, AH (4 cr)
ARTH 1902—Freshman Seminar (3 cr)
ARTH 1905—Freshman Seminar (3 cr)
ARTH 1910W—Topics: Freshman Seminar, WI (3 cr)

Art History Electives

Take five 3xxx and two 5xxx courses, spanning all three time periods and two geographical/cultural areas.

ARTH 1001—Introduction to Art History: Prehistoric to Contemporary, AH (3 cr)
ARTH 1002W—Why Art Matters, WI (4 cr)
ARTH 1101—Drawing, OH (4 cr)
ARTH 1102—Painting (4 cr)
ARTH 1301—Sculpture, AH (4 cr)
ARTH 1501—Intaglio and Lithography, AH (4 cr)
ARTH 1502—Printmaking: Relief, Screen, and Digital Processes, AH (4 cr)
ARTH 1601—Experimental and Media Arts, AH (4 cr)
ARTH 1701—Photography, AH (4 cr)
ARTH 1801—Ceramics, AH (4 cr)
ARTH 1902—Freshman Seminar (3 cr)
ARTH 1905—Freshman Seminar (3 cr)
ARTH 1910W—Topics: Freshman Seminar, WI (3 cr)

Some courses span across time periods and geographic/cultural areas. Consult with program adviser to determine which requirements these courses can fulfill.

Take 7 or more course(s) from the following:

Era I: Ancient to ca. 1300

Take 1 or more course(s) from the following:

Area: North America and Europe

Take 0 or more course(s) from the following:
ARTH 3008—History of Ancient Art (4 cr)
ARTH 3009—History of Medieval Art (4 cr)
ARTH 3152—Art and Archaeology of Ancient Greece (4 cr)
ARTH 3162—Roman Art and Archaeology (4 cr)
ARTH 5101—Myths in Art: Cross-Cultural Comparison (3 cr)
ARTH 5103—Hellenistic and Early Roman Art and Archaeology (3 cr)
ARTH 5108—Greek Architecture (3 cr)
ARTH 5111—Prehistoric Art and Archaeology of Greece (3 cr)
ARTH 5112—Archaic and Classical Greek Art (3 cr)
ARTH 5172—House, Villa, Tomb: Roman Art in the Private Sphere (3 cr)
ARTH 5182—Art and the State: Public Art in the Roman Empire (3 cr)
ARTH 5234—Gothic Sculpture (3 cr)
ARTH 5252—History of Early Christian Art in Context (4 cr)

Area: Middle East and/or Islamic World

Take 0 or more course(s) from the following:
ARTH 3142—Art of Egypt (4 cr)

Area: South and/or East Asia

Take 0 or more course(s) from the following:
ARTH 5765—Early Chinese Art (3 cr)
ARTH 5775—Formation of Indian Art: 2500 BCE to 300 CE (3 cr)
ARTH 5776—Redefining Tradition: Indian Art, 400 to 1300 (3 cr)

Era II: ca. 1300 to 1800

Take 1 or more course(s) from the following:

Area: North America and Europe

Take 0 or more course(s) from the following:
ARTH 3309—Renaissance Art in Europe, AH (3 cr)
ARTH 3311—Baroque Art in Seventeenth Century Europe, AH (3 cr)
ARTH 3312—European Art of the Eighteenth Century: Rococo to Revolution (3 cr)
ARTH 3315—The Age of Curiosity: Art and Knowledge in Europe, 1500-1800 (3 cr)
ARTH 3335—Baroque Rome: Art and Politics in the Papal Capital (3 cr)
ARTH 5302—Print Culture in Early Modern Europe (3 cr)
ARTH 5324—15th-Century Painting in Northern Europe (3 cr)
ARTH 5335—Baroque Rome: Art and Politics in the Papal Capital (3 cr)

Area: South and/or East Asia

Take 0 or more course(s) from the following:
ARTH 3009—History of Medieval Art (4 cr)
ARTH 3008—History of Ancient Art (4 cr)

Era III: 1800 to Present

Take 1 or more course(s) from the following:

Area: North America and Europe

Take 0 or more course(s) from the following:
ARTH 3005—American Art (4 cr)
ARTH 3012—19th and 20th Century Art (3 cr)
ARTH 3484—The Art of Picasso and the Modern Movement (4 cr)
ARTH 3655—African-American Cinema (3 cr)
ARTH 5101—Myths in Art: Cross-Cultural Comparison (3 cr)
ARTH 5103—Hellenistic and Early Roman Art and Archaeology (3 cr)
ARTH 5108—Greek Architecture (3 cr)
ARTH 5111—Prehistoric Art and Archaeology of Greece (3 cr)
ARTH 5112—Archaic and Classical Greek Art (3 cr)
ARTH 5172—House, Villa, Tomb: Roman Art in the Private Sphere (3 cr)
ARTH 5182—Art and the State: Public Art in the Roman Empire (3 cr)
ARTH 5234—Gothic Sculpture (3 cr)
ARTH 5252—History of Early Christian Art in Context (4 cr)

Area: South and/or East Asia

Take 0 or more course(s) from the following:
ARTH 3009—History of Medieval Art (4 cr)
ARTH 3008—History of Ancient Art (4 cr)

Area: Middle East and/or Islamic World

Take 0 or more course(s) from the following:
ARTH 3309—Renaissance Art in Europe, AH (3 cr)
ARTH 3311—Baroque Art in Seventeenth Century Europe, AH (3 cr)
ARTH 3312—European Art of the Eighteenth Century: Rococo to Revolution (3 cr)
ARTH 3315—The Age of Curiosity: Art and Knowledge in Europe, 1500-1800 (3 cr)
ARTH 3335—Baroque Rome: Art and Politics in the Papal Capital (3 cr)
ARTH 5302—Print Culture in Early Modern Europe (3 cr)
ARTH 5324—15th-Century Painting in Northern Europe (3 cr)
ARTH 5335—Baroque Rome: Art and Politics in the Papal Capital (3 cr)

Area: South and/or East Asia

Take 0 or more course(s) from the following:
ARTH 3009—History of Medieval Art (4 cr)
ARTH 3008—History of Ancient Art (4 cr)
Courses Spanning Across Time Periods and Areas:

Consult with adviser.
Take 0 or more course(s) from the following:

ARTH 101—Introduction to Art History: Prehistoric to Contemporary, AH (3 cr)
ARTH 102/3—Why Art Matters, WI (4 cr)
ARTH 104/5—Introduction to Asian Art, WI (4 cr)
ARTH 190/1—The Taj Mahal and Attitudes Toward Islam, WI (3 cr)
ARTH 192/W—Introduction to Film Study, WI (4 cr)
ARTH 301—Introduction to East Asian Art (3 cr)
ARTH 304—Art of India, IP, OH, WI (4 cr)
ARTH 305/W—Art of Islam, WI (4 cr)
ARTH 307—Islamic Culture (4 cr)

ARTH 3035—Classical Myth in Western Art (4 cr)
ARTH 3340—Practicum in Archaeological Field and Computer Techniques (3 cr)
ARTH 3401—Art Now, AH, CIV (3 cr)
ARTH 3422—Off the Wall: History of Graphic Arts in Europe and America in the Modern Age (4 cr)
ARTH 3464—Art Since 1945, HIS (4 cr)
ARTH 391—Art of the Film, WI (4 cr)
ARTH 3930—Junior-Senior Seminar (3 cr)
ARTH 3940—Topics in Art History (3 cr)
ARTH 3971/W—Major Project, WI, H (1 cr)
ARTH 3975—Directed Museum Experience (1–2 cr)
ARTH 3993—Directed Study (1–4 cr)
ARTH 5120—Field Research in Archaeology (3–6 cr)
ARTH 5301—Visual Culture of the Atlantic World (3 cr)
ARTH 5325—Art of the Aztec Empire (3 cr)
ARTH 5340—Practicum in Archaeological Field and Computer Techniques (3 cr)
ART 5413—Alternative Media: Video, Performance, Digital Art (3 cr)
ART 5422—Off the Wall: History of Graphic Arts in Europe and America in the Modern Age (4 cr)
ART 5466—Contemporary Art (3 cr)
ART 5725—Ceramics in the Far East (3 cr)
ART 5766—Chinese Painting (3 cr)
ART 5767—Japanese Painting (3 cr)
ART 5777—The Diversity of Traditions: Indian Art 1200 to Present (3 cr)
ART 5781—Age of Empire: The Mughals, Safavids, and Ottomans (3 cr)
ART 5785—Art of Islamic Iran (3 cr)
ART 5925—History of Photography as Art (3 cr)
ART 5927—Documentary Cinema (4 cr)
ART 5940—Topics: Art of the Film (3 cr)
ART 5950—Topics: Art History (3 cr)
ART 5993—Directed Study (1–4 cr)

Senior Project

Before the end of the junior year, students select a “project” course with permission from the course instructor. The student completes a research paper for the course. The next semester, the student registers in ARTH 3971W or ARTH 3971V and under the instructor’s supervision develops the paper into the senior project.

ARTH 3971/W—Major Project, WI (1 cr)
or
ARTH 3971/V—Honors: Major Project, WI, H (1 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Art History Minor

• Required credits in this minor: 14.

Using a wide variety of methodological approaches, art history faculty help students develop an awareness and knowledge of the visual environments from all periods of history.

Minor Requirements

Students must take five total courses to complete the minor: four 3xxx courses and one 5xxx course.

These must include courses from at least two of the three following time periods: Ancient to ca. 1300, ca. 1300 to 1800, and 1800 to present.

Two of the required five courses must also be from different unique geographic or cultural areas (Europe/North America, South and/or East Asia, Middle East and/or Islamic World, and Latin America.

Students are also encouraged to take courses from a variety of instructors to ensure exposure to various approaches and methods.

Art History Minor Courses

Take four 3xxx courses and one 5xxx course, spanning 2 of the 3 historical periods and 2 geographic/cultural areas.

No more than 3 cr of ARTH 3933/5993—Directed Studies, ARTH 5994—Directed Research, or ARTH 3975—Directed Museum Experience may be used to fulfill art history electives.

Some courses span across time periods and geographic/cultural areas. Consult with program adviser to determine which requirements these courses can fulfill.

Take 5 or more course(s) from the following:

Era I: Ancient to ca. 1300

Take 0 or more course(s) from the following:

Area: North America and Europe

Take 0 or more course(s) from the following:

ARTH 3008—History of Ancient Art, IP, OH (4 cr)
ARTH 3009—History of Medieval Art, IP, OH (4 cr)
ARTH 3152—Art and Archaeology of Ancient Greece, OH (4 cr)
ARTH 3162—Roman Art and Archaeology, OH (4 cr)
ARTH 3201—The Olympic Games (3 cr)
ARTH 5101—Myths in Art: Cross-Cultural Comparison (3 cr)
ARTH 5103—Hellenistic and Early Roman Art and Archaeology (3 cr)
ARTH 5108—Greek Architecture (3 cr)
ARTH 5111—Prehistoric Art and Archaeology of Greece (3 cr)
ARTH 5112—Archaic and Classical Greek Art (3 cr)
ARTH 5172—House, Villa, Tomb: Roman Art in the Private Sphere (3 cr)
ARTH 5182—Art and the State: Public Art in the Roman Empire (3 cr)
ARTH 5234—Gothic Sculpture (3 cr)
ARTH 5252—History of Early Christian Art in Context (4 cr)

Area: Middle East and/or Islamic World

Take 0 or more course(s) from the following:

ARTH 3142—Art of Egypt, HP (4 cr)
Asian American Studies Minor

American Studies
This is a free-standing minor.

• Required credits in this minor: 15.

The minor focuses on the history, politics, and culture of Americans of Asian descent. Courses explore the diversity of Asian American communities, and the history and present conditions of racial formation in the United States and other parts of the Americas. The minor draws from courses in a number of disciplines and academic approaches and encourages social awareness, critical thinking, the development of new perspectives, and artistic appreciation. Core courses emphasize Asian American history, literature and culture; social issues; politics; and psychology. Component courses focus on Asian American studies topics in the context of broader discussions.

Admission Requirements
Students are urged to take AAS 1101 before declaring the minor. For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Minor Requirements

Core Courses
Consult with the AAS director for other possible courses that may count as core courses.

AAS 3001—Contemporary Perspectives on Asian America (3 cr)
or AMST 3001—Contemporary Perspectives on Asian America, DSJ (3 cr)
or AAS 3409W—Asian American Women’s Cultural Production, AH, DSJ (3 cr)
or GWSS 3409W—Asian American Women’s Cultural Production, AH, DSJ, WI (3 cr)
or AAS 3501—Asian America Through Arts and Culture, AH, DSJ (3 cr)
or ENGL 3501—Public Discourse: Coming to Terms With the Environment, LITR, ENV (3 cr)
or AAS 3877—Asian American History, 1850 to Present, HIS, DSJ (3 cr)
or HIST 3877—Asian American History, 1850-Present, HIS, DSJ (3 cr)
or AAS 4311—Asian American Literature and Drama (3 cr)
or ENGL 4311—Asian American Literature and Drama, LITR, DSJ (3 cr)

Component Courses
Courses used to fulfill core courses cannot also be used to fulfill component courses.

Consult with the AAS director for other possible courses that may count as component courses.
Take 4 or more course(s) from the following:
ALL 3001—Reading Asian Cultures (3 cr)
AMST 3114—America in International Perspective, DSJ (3 cr)
ANTH 4047—Anthropology of American Culture, SOCS (3 cr)
ENGL 4232—American Drama by Writers of Color (3 cr)
HIST 3822—United States in the 20th Century Since 1945, HP (3 cr)
LING 3707—Ethnic Bilingualism in the United States (3 cr)
SOW 312W—American Race Relations, SOCS, DSJ, WI (3 cr)
AAS 3001—Contemporary Perspectives on Asian America (3 cr)
or
AMST 3001—Contemporary Perspectives on African Americans, American Indians, and Chicanos in the United States (3 cr)
AAS 3251W—Sociological Perspectives on Race, Class, and Gender, WI (3 cr)
or
SOW 3251W—Sociological Perspectives on Race, Class, and Gender, SOCS, DSJ, WI (3 cr)
AAS 3270—Service Learning in the Asian Community (2 cr)
or
ALL 3270—Service Learning in the Asian Community (2 cr)
AAS 3409W—Asian American Women’s Cultural Production, WI (3 cr)
or
GWSS 3409W—Asian American Women’s Cultural Production, AH, DSJ, WI (3 cr)
AAS 3501—Asian America Through Arts and Culture, AH, DSJ (3 cr)
or
ENGL 3501—Public Discourse: Coming to Terms With the Environment, LITR, ENV (3 cr)
AAS 3875W—Comparative Race and Ethnicity in U.S. History, WI (3–4 cr)
or
HIST 3875W—Comparative Race and Ethnicity in US History, HIS, DSJ, WI (4 cr)
AAS 3877—Asian American History, 1850 to Present, HIS, DSJ (3 cr)
or
HIST 3877—Asian American History, 1850–Present, HIS, DSJ (3 cr)
AAS 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
or
AFRO 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
AAS 4311—Asian American Literature and Drama (3 cr)
or
ENGL 4311—Asian American Literature and Drama, LITR, DSJ (3 cr)

Asian Languages and Literatures

**B.A.**

**Asian Languages and Literatures**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 35.

Asia is an increasingly important part of world politics, economics, and culture. The program prepares students to interact with the people and cultures of Asia. Students in the program study an Asian language—Chinese, Hindi and Urdu, Japanese, Korean—as well as methods of literary and cultural analysis. The language study provides advanced spoken and written skills that allow students direct access to the people and cultures of Asia, where over half the world’s population lives. The analytical courses give a theoretically sophisticated understanding of the rich literary and cultural texts, from the accepted literary canon to popular culture and film.

The major has six subplans: Chinese Literature, Culture, and Media; Japanese Literature, Culture, and Media; South Asian Literature, Culture, and Media; Visual and Aural Cultures in Asia; Social Formations in Asia; and Written Cultures in Asia—each of which introduces a broad range of language, literary, and cultural texts. Along with subplan courses, students may take related electives outside the department and must take at least one course related to another area of Asia. The deeper, concentrated study in upper level courses, leads to the senior project. Study abroad is strongly encouraged and can contribute credit to the major.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Program Requirements**

Students are required to take 4 semester(s) of Chinese, Hindi and Urdu, Japanese, or Korean.

**Advanced Language Courses**

Students choosing a classical track do so in consultation with the director of undergraduate studies. Students with advanced ability in the language may substitute 5xxx ALL courses to meet this requirement.

**Chinese**

CHN 3031—Advanced Modern Chinese (4 cr)
CHN 3032—Advanced Modern Chinese (4 cr)
or

**Hindi/Urdu**

HNDI 4161—Advanced Hindi (4 cr)
HNDI 4162—Advanced Hindi (4 cr)
or
HNR 3101—Intermediate Hindi and Urdu (5 cr)
HNR 3102—Intermediate Hindi and Urdu (5 cr)
or

**Japanese**

JPN 3031—Third-Year Japanese (4 cr)
JPN 3032—Third-Year Japanese (4 cr)
or

**Korean**

KOR 3031—Third-Year Korean (4 cr)
KOR 3032—Third-Year Korean (4 cr)

**Subplan-Related Courses**

Students must take two courses in the arts, humanities, or social sciences (including transfer courses). Each must be at least 3 credits. The exception is 1- or 2-credit study abroad courses approved by the director of undergraduate studies. Consult an adviser for appropriate course options.

Two courses in the arts, humanities or social sciences.

**Electives**

Students may also take other approved ALL courses to reach the 35-credit minimum for the major. Options may also include Asia-related courses in other departments, learning abroad courses, transfer credits, and 1- or 2-credit courses. Students should consult with their adviser to choose appropriate courses.

**Take 0 or more course(s) from the following:**

- ALL 1xxx
- ALL 2xxx
- ALL 3xxx
- ALL 4xxx
- ALL 5xxx

**Senior Project**

Major project course taken during the spring of senior year. Must have senior status or instructor permission to register. Project may be a 20–25 page paper, a creative project, or a translation conceived in consultation with the instructor.

ALL 4900W—Major Project, WI (3 cr)

**Program Sub-plans**

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)
Chinese Literature, Culture, and Media Sub-plan

Required Courses for the Sub-plan

Chinese Literature, Culture, and Media

ALL 3900, 3920, 5900, and 5920 may be classical or modern depending on the topic.
ALL 3001—Reading Asian Cultures (3 cr)
Any approved ALL non-subplan course.
Take 3 or more course(s) from the following:

Classical

Take 1 or more course(s) from the following:
ALL 1335W—Chinese Ways of Living: Philosophical and Literary Approaches, WI (3 cr)
ALL 3232W—"Short" Poetry in China and Japan, WI (3 cr)
ALL 3265W—The Fantastic in East Asia: Ghosts, Foxes, and the Alien, WI (3 cr)
ALL 3333—Gender and Sexuality in Traditional Chinese Literature (3 cr)
ALL 3363—Imagined Worlds in Ming Qing China (3 cr)
ALL 3373—Religion and Society in Imperial China (3 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5265—Traditional Poetics and Aesthetics in East Asia (3 cr)
ALL 5343—Lovers, Clowns, and Acrobats: An Introduction to Chinese Drama (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

Modern

Take 1 or more course(s) from the following:
ALL 3001—Reading Asian Cultures (3 cr)
ALL 3337—Chinese Literature and Popular Culture Today, LIT (3 cr)
ALL 3356W—Chinese Film, AH, WI (3 cr)
ALL 3361W—Maps, Pictures, and Writing in the Representation of Taiwan, AH, GP, WI (3 cr)
ALL 3371—History of Chinese Cities and Urban Life (3 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5357—Chinese Cinematic Realisms (3 cr)
ALL 5363—Imagined Worlds in Ming Qing China (3 cr)
ALL 5371—History of Chinese Cities and Urban Life (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

Japanese Literature, Culture, and Media Sub-plan

Required Courses for the Sub-plan

Japanese Literature, Culture, and Media

ALL 3900, 3920, 5900, and 5920 may be classical or modern depending on the topic.
ALL 3001—Reading Asian Cultures (3 cr)
Any approved ALL non-subplan course.
Take 3 or more course(s) from the following:

Classical

Take 1 or more course(s) from the following:
ALL 3232W—"Short" Poetry in China and Japan, WI (3 cr)
ALL 3265W—The Fantastic in East Asia: Ghosts, Foxes, and the Alien, WI (3 cr)
ALL 3433W—Traditional Japanese Literature in Translation, LITR, WI (3 cr)
ALL 3441W—Japanese Theater, AH, WI (3 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5265—Traditional Poetics and Aesthetics in East Asia (3 cr)
ALL 5433—Women's Writing in Premodern Japan in Translation (3 cr)
ALL 5466—Japanese Popular Culture in a Global Context (3 cr)
ALL 5477—Kurosawa, Masculinity, and Cold War (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Modern

Take 1 or more course(s) from the following:
ALL 1275—Buddhism in East Asia (3 cr)
ALL 1335W—Chinese Ways of Living: Philosophical and Literary Approaches, WI (3 cr)
ALL 3337—Gender and Sexuality in Traditional Chinese Literature (3 cr)
ALL 3371—History of Chinese Cities and Urban Life (3 cr)
ALL 3437—Early 20th Century Japanese Literature in Translation (3 cr)
ALL 3456—Japanese Film (3 cr)
ALL 3457—War and Peace in Japan Through Popular Culture (4 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5436—Literature by 20th-Century Japanese Women in Translation (3 cr)
ALL 5466—Japanese Popular Culture in a Global Context (3 cr)
ALL 5476—Japanese Minority Literatures (3 cr)
ALL 5477—Kurosawa, Masculinity, and Cold War (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

Social Formations in Asia Sub-plan

Required Courses for the Sub-plan

Social Formations in Asia

ALL 3900, 3920, 5900, and 5920 may be classical or modern depending on the topic.
ALL 3001—Reading Asian Cultures (3 cr)
Any approved ALL non-subplan course.
Take 3 or more course(s) from the following:

Classical

Take 1 or more course(s) from the following:
ALL 1335W—Chinese Ways of Living: Philosophical and Literary Approaches, WI (3 cr)
ALL 3363—Imagined Worlds in Ming Qing China (3 cr)
ALL 3373—Religion and Society in Imperial China (3 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5357—Chinese Cinematic Realisms (3 cr)
ALL 5363—Imagined Worlds in Ming Qing China (3 cr)
ALL 5371—History of Chinese Cities and Urban Life (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

Modern

Take 1 or more course(s) from the following:
ALL 1275—Buddhism in East Asia (3 cr)
ALL 1335W—Chinese Ways of Living: Philosophical and Literary Approaches, WI (3 cr)
ALL 3337—Gender and Sexuality in Traditional Chinese Literature (3 cr)
ALL 3371—History of Chinese Cities and Urban Life (3 cr)
ALL 3437—Early 20th Century Japanese Literature in Translation (3 cr)
ALL 3456—Japanese Film (3 cr)
ALL 3457—War and Peace in Japan Through Popular Culture (4 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5357—Chinese Cinematic Realisms (3 cr)
ALL 5363—Imagined Worlds in Ming Qing China (3 cr)
ALL 5371—History of Chinese Cities and Urban Life (3 cr)
ALL 5466—Japanese Popular Culture in a Global Context (3 cr)
ALL 5476—Japanese Minority Literatures (3 cr)
ALL 5477—Kurosawa, Masculinity, and Cold War (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Written Cultures in Asia Sub-plan**

**Required Courses for the Sub-plan**

**Visual and Aural Cultures in Asia**

ALL 3900, 3920, 5900, and 5920 may be classical or modern depending on the topic.

Any approved ALL non-subplan course.

*Take 3 or more course(s) from the following:*

**Classical**

*Take 1 or more course(s) from the following:*

ALL 3014W—Art of India, WI (4 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5343—Lovers, Clowns, and Acrobats: An Introduction to Chinese Drama (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

**Modern**

*Take 1 or more course(s) from the following:*

ALL 1001—Asian Film and Animation (3 cr)
ALL 1441—Popular Music and Media in Modern Japan (3 cr)
ALL 3356W—Chinese Film, AH, WI (3 cr)
ALL 3361W—Japanese Theater, AH, WI (3 cr)
ALL 3367W—Modern South Asian Literature, WI (3 cr)
ALL 3380—Topics in Asian Literature (3 cr)
ALL 3436—Postwar Japanese Literature in Translation (3 cr)
ALL 3437—Early 20th Century Japanese Literature in Translation (3 cr)
ALL 3500—Topics in Korean Literature (1–3 cr)
ALL 3637W—Modern South Asian Literature, WI (3 cr)

*Take 3 or more course(s) from the following:*

**Classical**

*Take 1 or more course(s) from the following:*

ALL 3014W—Art of India, WI (4 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5343—Lovers, Clowns, and Acrobats: An Introduction to Chinese Drama (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

**Modern**

*Take 1 or more course(s) from the following:*

ALL 1001—Asian Film and Animation (3 cr)
ALL 1441—Popular Music and Media in Modern Japan (3 cr)
ALL 3356W—Chinese Film, AH, WI (3 cr)
ALL 3367W—Modern South Asian Literature, WI (3 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5343—Lovers, Clowns, and Acrobats: An Introduction to Chinese Drama (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

**Written Cultures in Asia Sub-plan**

**Required Courses for the Sub-plan**

**Written Cultures in Asia**

ALL 3900, 3920, 5900, and 5920 may be classical or modern depending on the topic.

Any approved ALL non-subplan course.

*Take 3 or more course(s) from the following:*

**Classical**

*Take 1 or more course(s) from the following:*

ALL 1335W—Chinese Ways of Living: Philosophical and Literary Approaches, WI (3 cr)
ALL 3232W—“Short” Poetry in China and Japan, WI (3 cr)
ALL 3265W—The Fantastic in East Asia: Ghosts, Foxes, and the Alien, WI (3 cr)
ALL 3333—Gender and Sexuality in Traditional Chinese Literature (3 cr)
ALL 3363—Imagined Worlds in Ming Qing China (3 cr)
ALL 3433W—Traditional Japanese Literature in Translation, LITR, WI (3 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5265—Traditional Poetics and Aesthetics in East Asia (3 cr)
ALL 5574—Representing the Past: Chinese Myth, Legend, and Ideology (3 cr)
ALL 5543—Women’s Writing in Premodern Japan in Translation (3 cr)
ALL 5920—Topics inAsian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

**South Asian Literature, Culture and Media Sub-plan**

**Required Courses for the Sub-plan**

**South Asian Literature, Culture, and Media**

ALL 3900, 3920, 5900, and 5920 may be classical or modern depending on the topic.

All 3001—Reading Asian Cultures (3 cr)

Any approved ALL non-subplan course.

*Take 3 or more course(s) from the following:*

**Classical**

*Take 1 or more course(s) from the following:*

ALL 3014W—Art of India, WI (4 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5433—Women’s Writing in Premodern Japan in Translation (3 cr)
ALL 5636—South Asian Women Writers (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

**Modern**

*Take 1 or more course(s) from the following:*

ALL 3014W—Art of India, WI (4 cr)
ALL 3900—Topics in Asian Literature (3 cr)
ALL 3920—Topics in Asian Culture (3 cr)
ALL 5436—Literature by 20th-Century Japanese Women in Translation (3 cr)
ALL 5636—South Asian Women Writers (3 cr)
ALL 5900—Topics in Asian Literature (3 cr)
ALL 5920—Topics in Asian Culture (3 cr)

**Asian Languages and Literatures Minor**

- **Required credits in this minor:** 28 to 30.

Asia is an increasingly important part of world politics, economics, and culture. The minor prepares students to interact with the people and cultures of Asia.

**Minor Requirements**

Students are required to take 4 semester(s) of Chinese, Hindi and Urdu, Japanese, Korean.
Minor Courses

Courses must be upper division ALL designator, six to eight credits total, related to the area of concentration.

Take 2 or more course(s) from the following:
- ALL 3xxx
- ALL 4xxx
- ALL 5xxx

Program Sub-plans

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

Chinese Sub-plan

**Required Courses for the sub-plan**

**Chinese Language**
- CHN 1011—Beginning Modern Chinese (6 cr)
- CHN 1012—Beginning Modern Chinese (6 cr)
- CHN 3021—Intermediate Modern Chinese (5 cr)
- CHN 3022—Intermediate Modern Chinese (5 cr)

South Asian Sub-plan

**Required Courses for the sub-plan**

**South Asian Languages**
Choose one of the following languages and complete four semesters of coursework in it.

- **Hindi**
  - HNDI 1101—Beginning Hindi (5 cr)
  - HNDI 1102—Beginning Hindi (5 cr)
  - HNDI 3131—Intermediate Hindi (5 cr)
  - HNDI 3132—Intermediate Hindi (5 cr)
  - HNUR 1101—Beginning Hindi and Urdu (5 cr)
  - HNUR 1102—Beginning Hindi and Urdu (5 cr)
  - HNUR 3101—Intermediate Hindi and Urdu (5 cr)
  - HNUR 3102—Intermediate Hindi and Urdu (5 cr)

Korean Sub-plan

**Required Courses for the sub-plan**

**Korean Language**
- KOR 1011—Beginning Korean (5 cr)
- KOR 1012—Beginning Korean (5 cr)
- KOR 3021—Intermediate Korean (5 cr)
- KOR 3022—Intermediate Korean (5 cr)

Japanese Sub-plan

**Required Courses for the sub-plan**

**Japanese Language**
- JPN 1011—Beginning Japanese (6 cr)
- JPN 1012—Beginning Japanese (6 cr)
- JPN 3021—Intermediate Japanese (5 cr)
- JPN 3022—Intermediate Japanese (5 cr)

Astrophysics B.A.

**Astronomy**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 49 to 51.

The program in astrophysics develops the skills necessary to tackle complex and ill-defined problems within the physical sciences and prepares students for careers in several broad areas. The program is aimed primarily at students interested in secondary education in the physical sciences, science policy, and science and technical writing. The program can also prepare students for graduate study in astrophysics.

**Admission Requirements**

Students must complete 7 courses before admission to the program.

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](#).

**Required Courses for Admission**

**Mathematics**

Complete one pair of courses from the following sequence.

- **Calculus Sequence I**
  - MATH 1271—Calculus I (4 cr)
  - MATH 1272—Calculus II (4 cr)

  or

  - **Calculus Sequence II**
    - MATH 1371—IT Calculus I (4 cr)
    - MATH 1372—IT Calculus II (4 cr)

  or

  - **Calculus Honors Sequence**
    - MATH 1571H—Honors Calculus I, H (4 cr)
    - MATH 1572H—Honors Calculus II, H (4 cr)

Complete one pair of courses from the following sequence.

**Option I**

- MATH 2243—Linear Algebra and Differential Equations (4 cr)
- MATH 2263—Multivariable Calculus (4 cr)

**or**

**Option II**

- MATH 2373—IT Linear Algebra and Differential Equations (4 cr)
- MATH 2374—IT Multivariable Calculus and Vector Analysis (4 cr)

**or**

- **Honors Option**
  - MATH 2573H—Honors Calculus III, H (4 cr)
  - MATH 2574H—Honors Calculus IV, H (4 cr)

**Preparatory Physics**

Complete three courses from either the writing-intensive or honors sequence.

**Physics Sequence**

- PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, WI (4 cr)
- PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (4 cr)
- PHYS 2503—Physics III: Intro to Waves, Optics, and Special Relativity (4 cr)
Program Requirements

Students are required to take 4 semester(s) of any second language.

AST 1011H is recommended but not required. The number of credits in the major varies by area of interest but is at least 15 credits of AST courses.

Major Courses

Each of the different areas of interest has the same core math, physics, and astrophysics requirements. Curriculum details for the different areas—secondary education, science writing, science policy, and scientist—are developed by the student in consultation with an adviser.

AST 2001—Introduction to Astrophysics (4 cr)

PHYS 2201—Introductory Thermodynamics and Statistical Physics (3 cr)

PHYS 260—Quantum Physics (4 cr)

PHYS 2605—Quantum Physics Laboratory (3 cr)

PHYS 4001—Analytical Mechanics (4 cr)

PHYS 4002—Electricity and Magnetism (4 cr)

Electives

AST 4001—Astrophysics I (4 cr)

AST 4002—Astrophysics II (4 cr)

Math

MATH 1271—Calculus I (4 cr)

PHYS 2403H—Honors Physics III, H (4 cr)

PHYS 2503—Physics III: Intro to Waves, Optics, and Special Relativity (4 cr)

PHYS 2605—Quantum Physics Laboratory (3 cr)

PHYS 4002—Electricity and Magnetism (4 cr)

Senior Project

This requirement can be met with directed research in astrophysics or a project tailored to the specific area of interest.

AST 4994W—Directed Research, WI (3–5 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Astrophysics Minor

- Required credits in this minor: 24.

Students in the minor learn the physical principles underlying study of the solar system, stars, galaxy, and universe and the methodology behind observations and conclusions.

Minor Requirements

Math

MATH 1271—Calculus I (4 cr)

or MATH 1371—IT Calculus I (4 cr)

or MATH 1571H—Honors Calculus I, H (4 cr)

MATH 1272—Calculus II (4 cr)

or MATH 1372—IT Calculus II (4 cr)

or MATH 1572H—Honors Calculus II, H (4 cr)

Physics

PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, WI (4 cr)

PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (4 cr)

PHYS 1401V—Honors Physics I, PHYS, H (4 cr)

PHYS 1402V—Honors Physics II, PHYS, WI, H (4 cr)

PHYS 2303—Physics III: Physics of Matter (4 cr)

PHYS 2503—Physics III: Intro to Waves, Optics, and Special Relativity (4 cr)

Minor Courses

Students are strongly encouraged to take either AST 1001 or AST 1011H, but neither of these courses is required for the minor.

AST 2001—Introduction to Astrophysics (4 cr)

Austrian and Central European Studies Minor

German, Scandinavian, and Dutch

This is a free-standing minor.

- Required credits in this minor: 16.

Prerequisite Courses for Admission

Beginning and Intermediate German

GER 1001—Beginning German (5 cr)

GER 1002—Beginning German (5 cr)

GER 1003—Intermediate German (5 cr)

GER 1004—Intermediate German (5 cr)

Minor Requirements

Students are required to take 4 semester(s) of German.

The minor consists of a minimum of 16 credits in 3xxx, 4xxx, and 5xxx courses with no more than one being a directed or independent study course. All courses in the minor must be taken A–F and must be completed with a grade of C– or better. At least one course must be taken in the German program of the University of Minnesota. Students majoring in German studies may elect an ACES minor, but no courses may count for both the German studies major and the Austrian studies minor. Therefore,
students majoring in German studies must take one additional course to substitute for GER 3011W, which is a core requirement for both the German studies major and Austrian studies minor. The minor program must be approved by the director of undergraduate studies.

**Minor Courses**

GER 3011W—Conversation and Composition, WI (4 cr)
GER 3520—Topics in Austrian and Central European Culture (3 cr)
Two courses in the art, culture, or literature of Austria and Central Europe.
One course in the history, politics, and society of Austria and Central Europe.

**Biblical Studies Minor**

Classical and Near Eastern Studies

This is a free-standing minor.
• Required credits in this minor: 15.
The academic study of the Bible is an extraordinarily broad interdisciplinary field. Research in the field can involve many disciplines including a number of ancient and modern languages, archaeology, history, various social sciences (including comparative religion), 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. The minor lets students who might not have the linguistic foundation to read the biblical texts in their original languages pursue more advanced biblical studies.

**Admission Requirements**

Students must complete two courses before admission to the program.
For information about University of Minnesota admission requirements, visit the **Office of Admissions website.**

**Required Courses for Admission**

**Preparatory Courses**

Students must complete the first year Greek or Hebrew to study original texts in one of those languages.
*Complete either pair of courses.*

**Greek**

GRK 1001—Beginning Classical Greek I (5 cr)
GRK 1002—Beginning Classical Greek II (5 cr)

**Hebrew**

HEBR 1001—Beginning Hebrew I (5 cr)
HEBR 1002—Beginning Hebrew II (5 cr)

**Minor Requirements**

Students are required to take 2 semesters of Greek or Hebrew.

**Minor Courses**

CNES 3072—The New Testament (3 cr)
Students must take a biblical survey and text seminar. Select this course in consultation with a biblical studies faculty member.

*Take 3 or more course(s) from the following:*

CNES 3172—Archaeology of Israel (3 cr)
CNES 3502—Ancient Israel: From Conquest to Exile (3 cr)
RELS 3201—The Bible: Context and Interpretation (3 cr)
RELS 3202—Prophecy in Ancient Israel (3 cr)
RELS 3203—The Bible: Wisdom, Poetry, and Apocalyptic (3 cr)

**Biology, Society, and Environment B.A.**

**Geography**

• Required credits to graduate with this degree: 120.
• Required credits within the major: 68.
Students in biology, society, and environment (BSE) receive comprehensive training in biology combined with an in-depth examination of the relevance of biology to social and environmental problems. Students complete coursework in the biological sciences, social sciences, and the humanities.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit the **Office of Admissions website.**

**Program Requirements**

Students are required to take 4 semester(s) of any second language.

The major curriculum includes courses in biology, chemistry, physics, and mathematics.

**Note:** A course may only be used once to satisfy the major requirements.

**General Biology**

BIOL 1009—General Biology, BIOL (4 cr)
ANTH 1001—Human Evolution, BIOL (4 cr)

*or* BIOL 2012—General Zoology (4 cr)

*or* BIOL 2022—General Botany (3 cr)

*or* PHIL 1005—Scientific Reasoning (4 cr)

*or* BIOC 3021—Biochemistry (3 cr)

*or* CHEM 1021—General Chemistry I (4 cr)

*or* CHEM 1022—General Chemistry II (3 cr)

*or* CHEM 1031H—Honors Chemistry I, H (4 cr)

*or* CHEM 1032H—Honors Chemistry II, H (4 cr)

*or* CHEM 1032H—Honors Chemistry II, H (4 cr)

*or* BIOL 2005—Animal Diversity Laboratory (1 cr)

*or* BIOL 3211—Animal Physiology (3 cr)

*or* BIOL 3002—Plant Biology: Function (2 cr)

*and* BIOL 3005W—Plant Function Laboratory, W (2 cr)

**Required Courses**

*Take 3 or more course(s) from the following:*

BIOL 1105—Introduction to Biology, Society, and the Environment (2 cr)
BSE 3305—Introduction to Bioethics (3 cr)

*or* BSE 3xxx

**Additional Science Requirements**

BIOC 3021—Biochemistry (3 cr)
CHEM 2301—Organic Chemistry I (3 cr)
CHEM 1021—Chemical Principles I, PHYS (4 cr)

*or* CHEM 1031H—Honors Chemistry I, H (4 cr)

*or* CHEM 1032H—Honors Chemistry II, H (4 cr)

MATH 1271—Calculus I (4 cr)

*or* MATH 1571H—Honors Calculus I, H (4 cr)

PHYS 1201W—Introductory Physics for Biology and Pre-medicine I, PHYS, W (5 cr)

*or* PHYS 1401V—Honors Physics I, PHYS, W, H (4 cr)

**Biology Concentration (Major Courses)**

Take two courses from the upper division biology core list, and take two additional upper level courses in biology, anthropology, geography, chemistry, or other discipline chosen in consultation with an adviser. Courses for the biology concentration should have a biology orientation, and should fit with the intended
theme. A total of 14 credits must be completed. Note: Many pre-health science programs require Organic Chemistry II and lab.

Take 2 or more course(s) from the following:
- BIOL 4004—Cell Biology (3 cr)
- BIOL 4003—Genetics (3 cr)
- or GCD 3022—Genetics (3 cr)
- BIOL 3407—Ecology (3 cr)
- or BIOL 3408W—Ecology, WI (3 cr)
- or BIOL 3807—Ecology (4 cr)

Take 8 or more credit(s) from the following:
- ANAT 3001—Human Anatomy (3 cr)
- ANTH 3310—Topics in Biological and Physical Anthropology (3–6 cr)
- BIOL 3409—Evolution (3 cr)
- BIOL 4004—Cell Biology (3 cr)
- CHEM 2302—Organic Chemistry II (3 cr)
- EEB 4609W—Ecosystem Ecology, WI (5 cr)
- GCD 4143—Human Genetics (3 cr)
- GEOG 3401—Geography of Environmental Systems and Global Change, ENV (4 cr)
- MICB 3301—Biology of Microorganisms (5 cr)
- PHIL 3051—Human Physiology (4 cr)
- CHEM 2311—Organic Lab (4 cr)
- or CHEM 2312H—Honors Organic Lab, H (5 cr)
- BIOL 3407—Ecology (3 cr)
- or BIOL 3408W—Ecology, WI (3 cr)
- GCD 3022—Genetics (3 cr)
- or BIOL 4003—Genetics (3 cr)

**Theme Requirements**

Take five courses from the list below or substitute courses in consultation with a BSE adviser. Courses should serve to put “science into context” and should focus on a theme.

Some examples of thematic concentrations might be ethics, economics, and the politics of health care; the global environment; biology and the U.S. government; communicating biology to the public.

Take 5 or more course(s) totaling 15 or more credit(s) from the following:
- ANTH 3306W—Medical Anthropology, GP, WI (3 cr)
- BIOL 4501—Social Uses of Biology (3 cr)
- GEOG 3355—Environmental Quality (3 cr)
- GEOG 3379—Environment and Development in the Third World, SOCS, ENV (3 cr)
- GEOG 3381W—Population in an Interacting World, SOCS, GP, WI (4 cr)
- GEOG 3411W—Geography of Health and Health Care, WI (4 cr)
- GEOG 4121W—Latin America, WI (4 cr)
- HMED 3040—Human Health, Disease, and the Environment in History, HIS (3 cr)
- HMED 5002—Public Health Issues in Historical Perspective (3 cr)
- HSCI 3211—Biological and Cultural History in the 19th and 20th Centuries (3 cr)
- HSCI 3244—History of Ecological Movements and Environmentalism (3 cr)
- HSCI 3331—Technology and American Culture, HIS, TS (3 cr)
- HSCI 3332—Science and American Culture, HIS, DSJ (3 cr)
- HSCI 3333V—Honors Course: Issues in American Science and Technology in the Past Century, HIS, CIV, WI, H (3 cr)
- HSCI 3401—Ethics in Science and Technology (3 cr)
- HSCI 4060—Special Topics in History of Technology (3 cr)
- JOUR 3754—Mass Media and Popular Culture, AH, DSJ (3 cr)
- PHIL 3234—Knowledge and Society (4 cr)
- PHIL 3301—Environmental Ethics (4 cr)
- PHIL 3302W—Moral Problems of Contemporary Society, CIV, WI (4 cr)
- PHIL 3304—Law and Morality (4 cr)
- PHIL 3305—Medical Ethics (4 cr)
- PHIL 3601W—Scientific Thought, WI (4 cr)
- PHIL 3602—Science, Technology, and Society (3 cr)
- PHIL 3607—Philosophy of Psychology (4 cr)
- or PHIL 4607—Philosophy of the Biological Sciences (3 cr)
- PSY 5137—Introduction to Behavioral Genetics (3 cr)
- PUBH 3004—Basic Concepts in Personal and Community Health (4 cr)
- STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
- URBS 3751—Understanding the Urban Environment, ENV (3 cr)

**Chemistry B.A.**

**Chemistry**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 51 to 67.

An active, modern program of chemical education at the undergraduate level must do more than simply train professional chemists. Chemistry, the central science, is an important component of many disciplines and should be accessible to all students seeking a liberal education. The chemistry department contributes actively to increasing the level of scientific literacy of all students. The program serves all students by recognizing different needs, interests, and career goals.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.umn.edu/admissions).

**Program Requirements**

Students are required to take 4 semester(s) of any second language.
Mathematics
MATH 1271—Calculus I (4 cr)
or MATH 1371—IT Calculus I (4 cr)
or MATH 1571H—Honors Calculus I, H (4 cr)
MATH 1272—Calculus II (4 cr)
or MATH 1372—IT Calculus II (4 cr)
or MATH 1572H—Honors Calculus II, H (4 cr)
MATH 2263—Multivariable Calculus (4 cr)
or MATH 2373H—Honors Multivariable Calculus, H (4 cr)
or MATH 2573H—Honors Calculus III, H (4 cr)

Physics
PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, WI (4 cr)
or PHYS 1401V—Honors Physics I, PHYS, WI, H (4 cr)
PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (4 cr)
or PHYS 1402V—Honors Physics II, PHYS, WI, H (4 cr)

Preparatory Courses
CHEM 2101—Introductory Analytical Chemistry Lecture (3 cr)
CHEM 2111—Introductory Analytical Chemistry Lab (2 cr)
CHEM 1021—Chemical Principles I, PHYS (4 cr)
or CHEM 1031H—Honors Chemistry I, H (4 cr)
CHEM 1022—Chemical Principles II, PHYS (4 cr)
or CHEM 1032H—Honors Chemistry II, H (4 cr)

Major Courses
CHEM 2301—Organic Chemistry I (3 cr)
CHEM 2302—Organic Chemistry II (3 cr)
CHEM 3501—Introduction to Thermodynamics, Kinetics, and Statistical Mechanics (3 cr)
CHEM 3502—Introduction to Quantum Mechanics and Spectroscopy (3 cr)
CHEM 4701—Inorganic Chemistry (3 cr)
CHEM 2303—Organic Lab (4 cr)
or CHEM 2323—Organic Lab, H (4 cr)
CHEM 4094W—Directed Research, WI (1–5 cr)
or CHEM 2094—Directed Research (1–3 cr)
CHEM 4111W—Modern Instrumental Methods of Chemical Analysis Lab, WI (2 cr)
or CHEM 4311W—Advanced Organic Chemistry Lab, WI (2 cr)
or CHEM 4511W—Advanced Physical Chemistry Lab, WI (2 cr)
or CHEM 4711W—Advanced Inorganic Chemistry Lab, WI (2 cr)
or CHEM 4223W—Polymer Laboratory, WI (2 cr)

Electives
Select at least three credits from 3xxx–5xxx courses in chemistry, biology, biochemistry, genetics, cell biology, chemical engineering, materials science, math, physics, public health, or statistics.

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Chemistry Minor
• Required credits in this minor: 15.
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.

Minor Requirements
Credits from seminars or special topics courses may not be applied toward the minor. A maximum of two credits of directed study may be applied. All coursework must be taken A-F with grades of at least C-. At least five credits (two courses) must be completed at the University of Minnesota, Twin Cities.

Minor Courses
CHEM 2301—Organic Chemistry I (3 cr)
CHEM 2302—Organic Chemistry II (3 cr)
CHEM 2311—Organic Lab (4 cr)
Take 5 or more credit(s) from the following:
CHEM 2xxx
CHEM 3xxx
CHEM 4xxx
CHEM 5xxx

Chicano Studies B.A.

Chicano Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 36.
The program’s curriculum explores the dimensions of race, ethnicity, culture and identity, gender, and class in the United States, both historically and in contemporary times. Chicano studies majors take courses offered in two broadly defined fields of study, humanities and social science. Humanities content includes courses designed to increase the student’s awareness of Chicana/o culture, as well as intellectual, aesthetic, literary, historical, ethical, and human values. Social science content includes courses that analyze social institutions and how they affect the individual and also emphasize contemporary Chicana/o issues as they relate to the larger society. Areas of study include political science, anthropology, economics, sociology, and history. The bachelor of arts degree in Chicano studies is designed to meet the needs of students preparing for careers serving Chicana/o-Latina/o constituencies and to prepare students for graduate and advanced professional study in programs in which a minority affairs focus would be an asset. The program allows students the flexibility of pursuing work in related fields such as Latin American studies, Spanish studies, women’s studies, and American studies. Double majors are encouraged.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of Spanish preferred.
Students must complete at least 120 credits to graduate, including 36 credits in the major. The 36 credits include 18 credits of major core requirements and 18 elective credits in Chicano studies,
15 of which must be at the 3xxx level or above. Students should confer with faculty and their major adviser to select courses intended to meet their professional goals and intellectual interests. With approval of the department chair, up to 9 upper division credits (3 courses) related to the discipline may be taken outside the department and counted toward the major. CHIC 1112 is foundational and should be completed during the first or second year. Courses at 3xxx offer more focused opportunities to examine history, society, culture, literature, and gender. Majors must also complete a senior paper.

Core Requirements

Students must take 18 credits.

CHIC 1112—Introduction to Chicana/o Studies: Critical Paradigms (3 cr)
CHIC 3212—Chicana Studies: La Chicana in Contemporary Society (3 cr)
CHIC 3275—Service Learning in the Chicano/Latino Community (3 cr)
  or CHIC 3374—Migrant Farmworkers in the United States: Families, Work, and Advocacy, CITV (3 cr)
  or CHIC 5374—Migrant Farmworkers in the U.S.: Families, Work, and Advocacy, CITV (3 cr)
CHIC 3213—Chicano Music and Art (3 cr)
  or CHIC 3507W—Introduction to Chicana/o Literature, LITR, DSJ, W1 (3 cr)
CHIC 3444—Chicana and Chicano History: 1821-1945 (3 cr)
  or CHIC 3446—Chicana/o History II: WWII, El Movimiento, and the New Millenium (3 cr)
CHIC 4901W—Senior Paper, W1 (3 cr)

Chicano Studies Electives

Students must take 18 credits.

At least 15 elective credits must be taken at 3xxx or above. With approval, up to 9 upper division credits (3 courses) related to the discipline may be taken outside the department and counted toward the major.

Any course that has been used to fulfill a Core Requirement may not also fulfill a Chicano Studies Electives requirement.

Take 18 or more credits from the following:

CHIC 1102—Latinos in the United States: Culture and Citizenship, HIS, DSJ, H (3 cr)
CHIC 3213—Chicano Music and Art (3 cr)
CHIC 3221—Introduction to Chicana/o Cultural Studies: Barrio Culture and the Aesthetics of Everyday Life, AH, DSJ (3 cr)
CHIC 3222—Chicana/o and Latina/o Representation in Film, AH, DSJ (3 cr)
CHIC 3275—Service Learning in the Chicano/Latino Community (3 cr)
CHIC 3310—Chicanas/os and the Law (3 cr)
CHIC 3352—Transnational Chicana/o Theory: Global Views/Borderland Spaces (3 cr)
CHIC 3375—Folklore of Greater Mexico, DSJ (3 cr)
CHIC 3452—Xicana/Indigena Studies: History, Culture, and Politics (3 cr)
CHIC 3507W—Introduction to Chicana/o Literature, LITR, DSJ, W1 (3 cr)
CHIC 3672—Chicana/o Experience in the Midwest (3 cr)
CHIC 3712—Chicanas/os: Psychological Perspectives (3 cr)
CHIC 3752—Chicanas and Chicanos in Contemporary Society (3 cr)
CHIC 3772—Latinx Social Power and Social Movements in the U.S. (3 cr)
CHIC 3852—Chicana/o Politics (3 cr)
CHIC 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
CHIC 4232—Chicana/o—Latina/o Gender and Sexuality Studies (3 cr)
CHIC 4275—Theory in Action: Community Engagement in a Social Justice Framework, CITV (3 cr)
CHIC 4401—Chicana/Latina Cultural Studies (3 cr)
CHIC 3374—Migrant Farmworkers in the United States: Families, Work, and Advocacy, CITV (3 cr)
  or CHIC 3374—Migrant Farmworkers in the U.S.: Families, Work, and Advocacy, CITV (3 cr)
CHIC 3993—Directed Studies (1–9 cr)
  or CHIC 3993—Directed Studies (1–3 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Chicano Studies Minor

• Required credits in this minor: 18.

The program focuses on the social, historical, and cultural experience of the Mexican and Latino populations in the United States. Courses in the curriculum examine the culture, literature, and history of Cuba, Puerto Rico, Central America, and Mexico and the experiences of Chicanas/os and Latinas/os in the United States.

Minor Requirements

Students take 18 credits of CHIC 3xxx, 4xxx, or 5xxx courses to complete the minor.

Child Psychology B.A.

Institute of Child Development

• Required credits to graduate with this degree: 120.
  • Required credits within the major: 34.

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 count toward the CLA graduation requirements.

The program prepares students for graduate study in psychology, education, medicine, law, sociology, and other behavioral sciences. Majors may not receive a second major or degree in psychology nor apply psychology, educational psychology, or child and adolescent psychiatry credits to the minimum 18 upper-level credits required outside the major. These credits fall neither inside or outside the major.

Admission Requirements

Students must complete 2 courses before admission to the program.

An introduction to psychology course must be completed before admission into the major. Students may formally declare the major with CPSY 2301 or CPSY 3301 in progress.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.
Preparatory Courses
CPSY 2301—Introductory Child Psychology (4 cr)
or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
PSTL 1281—Principles of Psychology, SOCS (4 cr)
or PSY 1001—Introduction to Psychology, SOCS (4 cr)

Program Requirements
Students are required to take 4 semester(s) of any second language.

Level II: Research and Statistical Methods
CPSY 3308—Introduction to Research Methods in Child Psychology (4 cr)
EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
or SOC 3811—Basic Social Statistics, MATH (4 cr)
or STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)

Level III: Core Courses
CPSY 4331—Social and Personality Development (4 cr)

Level IV: Core Courses
Take 2 or more course(s) from the following:
CPSY 4341—Perceptual Development (3 cr)
CPSY 4343—Cognitive Development (3 cr)
CPSY 4345—Language Development and Communication (3 cr)

Electives
CPSY 4311—Behavioral and Emotional Problems of Children (4 cr)
CPSY 4312—Social and Personality Development (4 cr)
CPSY 4313—Disabilities and Development (4 cr)
CPSY 4314—Perceptual Development (3 cr)
CPSY 4315—Language Development and Communication (3 cr)

Final Project
CPSY 4347W—Senior Project, WI (2 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Child Psychology B.S.
Institute of Child Development
• Required credits to graduate with this degree: 120.
• Required credits within the major: 41.
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.

With a combination of intensive training in developmental psychology and in-depth field experience, the program prepares students for careers and additional training in such areas as early childhood education, counseling, and human service programs. Students completing a degree program in child psychology may not receive a second major or degree in psychology.

Admission Requirements
Students must complete 2 courses before admission to the program.
Students may formally declare the major with CPSY 2301 or CPSY 3301 in progress.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses
CPSY 2301—Introductory Child Psychology (4 cr)
or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
PSTL 1281—Principles of Psychology, SOCS (4 cr)
or PSY 1001—Introduction to Psychology, SOCS (4 cr)

Program Requirements
Research, Statistical, and Evaluation Methods
CPSY 3308—Introduction to Research Methods in Child Psychology (4 cr)
EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
or SOC 3811—Basic Social Statistics, MATH (4 cr)
or STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
EPSY 5243—Principles and Methods of Evaluation (3 cr)
or EPSY 5949—Observation and Assessment of the Preschool Child (3 cr)

Major Courses
CPSY 4329—Biological Foundations of Development (4 cr)
CPSY 4331—Social and Personality Development (4 cr)
CPSY 4334W—Children, Youth in Society, WI (4 cr)
CPSY 4335W—Behaviors and Personality Development (4 cr)
or CPSY 4336—Disabilities and Development (4 cr)
Take 2 or more course(s) from the following:
CPSY 4341—Perceptual Development (3 cr)
CPSY 4343—Cognitive Development (3 cr)
CPSY 4345—Language Development and Communication (3 cr)

Take 4 or more credit(s) from the following:
CPSY 4994—Directed Research in Child Psychology (1–4 cr)
CPSY 4996—Field Study in Child Psychology (1–4 cr)

Electives
CPSY 3301 and CPSY 4993 may not be used to meet this requirement.
Take 15 or more credit(s) from the following:
CPSY 3xxx
CPSY 4xxx

Final Project
CPSY 4347W—Senior Project, WI (2 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Child Psychology Minor**

- Required credits in this minor: 16.

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.

**Admission Requirements**

Students must complete PSTL 1281/PSY 1001 and be enrolled in CPSY 2301/CPSY 3301 before admission to the program.

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.catalogs.umn.edu).

**Required Courses for Admission**

**Preparatory Courses**

- PSTL 1281—Principles of Psychology, SSCI (4 cr)
- or PSY 1001—Introduction to Psychology, SSCI (4 cr)
- CPSY 2301—Introductory Child Psychology, SSCI (4 cr)
- or CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)

**Minor Requirements**

**Minor Courses**

Take CPSY 3308, two courses in child psychological development, and an elective course at 3xxx or above.

CPSY 3308—Introduction to Research Methods in Child Psychology (4 cr)

Take 2 or more course(s) from the following:

- CPSY 4329—Biological Foundations of Development (4 cr)
- CPSY 4331—Social and Personality Development (4 cr)
- CPSY 4343—Cognitive Development (3 cr)

Take 4 or more credit(s) from the following:

- CPSY 3xxx
- CPSY 4xxx
- CPSY 5xxx

**Classical and Near Eastern Archaeology B.A.**

**Classical and Near Eastern Studies**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 36.

This program requires summer terms.

This major allows students to concentrate their studies on the material remains from the ancient civilizations of Greece, Rome, Egypt, and Biblical lands from ca. 3000 B.C.E. through 650 C.E. The program includes courses from classical and near eastern studies, anthropology, art history, geography, geology, and history.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.catalogs.umn.edu).

**Program Requirements**

Students are required to take 4 semester(s) of Greek, Hebrew, or Latin.

**Preparatory Courses**

- CNES 3152—Art and Archaeology of Ancient Greece (4 cr)
- CNES 3162—Roman Art and Archaeology (4 cr)
- CNES 1043—Introduction to Greek and Roman Archaeology (4 cr)
- or CNES 3008—History of Ancient Art (4 cr)
- CNES 3104—Ancient Rome: Kings and Consuls (3 cr)
- or CNES 3105—Ancient Rome: The Age of Augustus (3 cr)
- or CNES 3107—Age of Constantine the Great (3 cr)
- or CNES 3108—Age of St. Augustine of Hippo (3 cr)
- or HIST 3051—Ancient Civilization: Near East and Egypt, HIS (3 cr)
- or HIST 3052—Ancient Civilization: Greece (3 cr)
- or HIST 3053—Ancient Civilization: Rome, HIS (3 cr)
- or HIST 3061—“Bread and Circuses”: Spectacles and Mass Culture in Antiquity (3 cr)
- or HIST 3502—Ancient Israel: From Conquest to Exile (3 cr)
- or HIST 3930—Topics in Ancient History (3 cr)
- or HIST 4051—Ancient Near East and Egypt: Neolithic to 1500 BCE (3 cr)
- or HIST 4052—Ancient Near East and Egypt: 1500 to 323 BCE (3 cr)
- or HIST 4061—History of the Greek World from Earliest Times to 400 B.C. (3 cr)
- or HIST 4062—History of the Greek World: 400 to 30 B.C. (3 cr)
- or HIST 4071—History of Rome to 78 B.C. (3 cr)
- or HIST 4072—History of Rome: 78 B.C. to A.D. 117 (3 cr)
- or HIST 4073—History of Rome: A.D. 117 to 641 (3 cr)
- or HIST 5051—Before Herodotus: History and Historiography of Mesopotamia and the Ancient Near East (3 cr)
- or HIST 5053—Doing Roman History: Sources, Methods, and Trends (3 cr)
- or HIST 5930—Topics in Ancient History (1–4 cr)
- or HIST 5933—Seminar in Ancient History (3 cr)

**Major Courses**

Five courses must be taken from Groups 1–3, with at least one course from each group. Remaining courses may be selected from courses in Groups 1–3 not used to fulfill the five-course requirement, from courses in the preparatory course list that are not used to fill that requirement, from selected courses in anthropology, or from any 3xxx-5xxx course in CNES or RELA. Course selections are subject to the approval of the director of undergraduate studies.

Take 8 or more course(s) totaling 24 or more credit(s) from the following:

**Take 5 or more course(s) including 3 or more sub-requirement(s) from the following:**

**Group 1—The Classical World**

- Take 1 or more course(s) from the following:
  - CNES 5111—Prehistoric Art and Archaeology of Greece (3 cr)
  - CNES 5112—Archaic and Classical Greek Art (3 cr)
  - CNES 5103—Hellenistic and Early Roman Art and Archaeology (3 cr)
  - CNES 5108—Greek Architecture (3 cr)
  - CNES 5172—House, Villa, Tomb: Roman Art in the Private Sphere (3 cr)
  - CNES 5182—Art and the State: Public Art in the Roman Empire (3 cr)

**Group 2—The Near East**

- Take 1 or more course(s) from the following:
  - CNES 3142—Art of Egypt (4 cr)
  - CNES 3172—Archaeology of Israel (3 cr)

**Group 3—Field/Lab Work**

- Take 1 or more course(s) from the following:
  - ANTH 4069—Environmental Archaeology, SSCI, ENVT (3 cr)
  - CNES 3340—Practicum in Archaeological Field and Computer Techniques (3 cr)
  - CNES 5120—Field Research in Archaeology (3–6 cr)
  - CNES 5540—Practicum in Archaeological Field and Computer Techniques (3 cr)
Electives
Take 0–3 course(s) from the following:
ANTH 3009—Rise of Civilization, HIS (3 cr)
ANTH 3027W—Archaeology of Prehistoric Europe, HIS, WI (3 cr)
ANTH 3028—Introduction to Historical Archaeology (3 cr)
ANTH 4043—Archaeology of Northern Europe (4 cr)
ANTH 4069—Environmental Archaeology, SSCI, ENVT (3 cr)
ANTH 5027W—Origins of European Civilization, HIS, WI (3 cr)
CNES 3xxx
CNES 4xxx
CNES 5xxx

Senior Project
Students who complete another CLA major may substitute 4 credits of appropriate coursework at 3xxx or above for the CNES senior project.
CNES 3951W—Major Project, WI (4 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Classical and Near Eastern Archaeology Minor
- Required credits in this minor: 16.

The minor allows students to concentrate their studies on the material remains from the ancient civilizations of Greece, Rome, Egypt, and Biblical lands from ca. 3000 B.C.E through 650 C.E. The minor includes courses from the Departments of Classical and Near Eastern Studies, Anthropology, Art History, Geography, Geology, and History.

Minor Requirements

Preparatory Courses
CNES 1043—Introduction to Greek and Roman Archaeology, HP (4 cr)
or CNES 3008—History of Ancient Art, IP, OH (4 cr)

Minor Courses
Take at least four courses, with one course each from groups 1–3. The remaining course may be selected from those in groups 1–3 not used to fulfill the three-course requirement, selected courses in anthropology or history, or any 3xxx–5xxx course in CNES or RELA. Course selections are subject to the approval of the director of undergraduate studies.

Take 4 or more course(s) totaling 12 or more credit(s) from the following:
- Take 3 or more course(s) including 3 or more sub-requirement(s) from the following:

  Group 1—The Classical World
  Take 1 or more course(s) from the following:
  CNES 5103—Hellenistic and Early Roman Art and Archaeology (3 cr)
  CNES 5108—Greek Architecture (3 cr)
  CNES 5111—Prehistoric Art and Archaeology of Greece (3 cr)
  CNES 5112—Archaic and Classical Greek Art (3 cr)
  CNES 5172—House, Villa, Tomb: Roman Art in the Private Sphere (3 cr)
  CNES 5182—Art and the State: Public Art in the Roman Empire (3 cr)

  Group 2—The Near East
  Take 1 or more course(s) from the following:
  CNES 3142—Art of Egypt, HP (4 cr)
  CNES 3172—Archaeology of Israel (3 cr)

  Group 3—Field/Lab Work
  Take 1 or more course(s) from the following:
  ANTH 4069—Environmental Archaeology, SSCI, ENVT (3 cr)
  CNES 3340—Practicum in Archaeological Field and Computer Techniques (3 cr)
  CNES 5120—Field Research in Archaeology (3–6 cr)
  CNES 5340—Practicum in Archaeological Field and Computer Techniques (3 cr)

Electives
Take 0–1 course(s) from the following:
ANTH 3009—Rise of Civilization, IP, SSCI (3 cr)
ANTH 3027W—Archaeology of Prehistoric Europe, WI (3 cr)
ANTH 3028—Introduction to Historical Archaeology (3 cr)
ANTH 4043—Archaeology of Northern Europe (4 cr)
ANTH 4069—Environmental Archaeology, SSCI, ENVT (3 cr)
ANTH 5027W—Origins of European Civilization, WI (3 cr)
CNES 3xxx
CNES 4xxx
CNES 5xxx
RELA 3xxx
RELA 4xxx
RELA 5xxx

Classical Civilization B.A.
Classical and Near Eastern Studies
- Required credits to graduate with this degree: 120.
  - Required credits within the major: 36.

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, archaeology, history, philosophy, or 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 aims and methods of several disciplines.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of Greek or Latin. Eight of the twelve approved courses (24 of 36 credits in the major) must be 3xxx or higher. Two of the courses must have the CLCV designator. All courses must be chosen in consultation with an adviser and approved by the department.

Language and Literature
Take three courses in the language and literature of the classical world.
Art, Art History, and Archaeology
Take three courses focusing on the art, art history, and archaeology of the classical world.

Thought and Religion
Take two courses on the thought and religions of the classical world.

Classical Traditions
Take two courses on classical traditions.

Electives
Take two to four related elective courses.

Senior Project
The senior project is defined by the student in consultation with an adviser. Students may register for one to three credits of directed study while working on the project, but they are not required to do so.

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Classical Civilization Minor
• Required credits in this minor: 15.
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.

Minor Requirements
Students are required to take 2 semester(s) of Greek, Latin.

Preparatory Courses
Complete one year of courses (or the equivalent) plus one culture course in either Greek or Latin.

Greek
GRK 1001—Beginning Classical Greek I (5 cr)
GRK 1002—Beginning Classical Greek II (5 cr)
or
Latin
LAT 1001—Beginning Latin I (5 cr)
LAT 1002—Beginning Latin II (5 cr)

Minor Courses
One course in the culture of the country or countries that used the chosen language.
One classical language and literature course, chosen with the guidance of a faculty adviser.

Communication Studies B.A.

Communication Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 34.
This program examines human communication using 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 intending to declare a major must meet with a communication studies adviser. Students are strongly encouraged to declare their major during the first or second year. Students intending to declare a communication studies major must first meet with an adviser in 274 Ford Hall.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Required Introductory Courses
COMM 1101—Introduction to Public Speaking, CIV (3 cr)
COMM 1102—Introduction to Public Speaking, WI (3 cr)

Required Core Courses
Take 2 or more course(s) from the following:
COMM 3211—Introduction to U.S. Electronic Media (3 cr)
COMM 3401—Introduction to Communication Theory (3 cr)
COMM 3601—Introduction to Rhetorical Theory, C/PE (3 cr)

Required Performative Elective
Take at least one of the following six performative electives. COMM 3990 must be taken for 3 credits to count for a required performative elective.
COMM 3201—Introduction to Electronic Media Production (3–4 cr)
or COMM 3411—Introduction to Small Group Communication (3 cr)
or COMM 3422—Interviewing and Communication (3 cr)
or COMM 3605W—Persuasive Speaking and Speech Writing, WI (3 cr)
or COMM 3990—Research Practicum (1–3 cr)
or COMM 4452W—Intercultural Interaction: Theory and Application, WI (3 cr)

Required 4xxx or 5xxx Elective
Take 1 or more course(s) from the following:
COMM 4xxx
COMM 5xxx

Required Senior Paper
The senior paper can be written in any 4xxx or 5xxx communication studies course. COMM 3995W, an S-N only, senior paper course, must be taken during the same semester in which the senior paper is written.
COMM 3995W—Major Project, WI (1–3 cr)

Required Additional Communication Studies Elective
In addition to the requirements above, take any other COMM 3xxx, 4xxx, or 5xxx course for a total of 34 credits to complete the major.
COMM 3xxx
or COMM 4xxx
or COMM 5xxx

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Communication Studies Minor
- Required credits in this minor: 18.

The minor’s courses examine human communication, using humanistic and social scientific methods. Fields of study include speechmaking, rhetorical criticism, ethics, and interpersonal, small group, organizational, intercultural, and electronic (broadcasting, cable, satellite, Internet) forms of communication. Students intending to declare a minor must meet with a communication studies adviser in 274 Ford Hall.

Minor Requirements

Minor Courses
COMM 1101—Introduction to Public Speaking (3 cr)
or COMM 1313W—Analysis of Argument, WI (3 cr)
Take 2 or more course(s) from the following:
COMM 3211—Introduction to U.S. Electronic Media (3 cr)
COMM 3401—Introduction to Communication Theory (3 cr)
COMM 3601—Introduction to Rhetorical Theory, C/PE (3 cr)

Electives
Take 9 or more credit(s) from the following:
Take no more than 2 course(s) from the following:
COMM 3xxx
Take 1 or more course(s) from the following:
COMM 4xxx
COMM 5xxx

Comparative U.S. Race and Ethnicity Minor
African American/African Studies, American Indian Studies, American Studies, Chicanos, Latinos

This is a free-standing minor.
- Required credits in this minor: 15.

This minor exposes students to key content, methodologies, and theories in the comparative study of African Americans, American Indians, Asian Americans, Chicanos, and Latinos in the United States. Students explore various methodologies and core concepts within the social sciences and humanities. Students develop a general knowledge of how diverse racial and ethnic individuals and groups have historically interacted with one another and might redefine themselves today. This minor draws from courses in a number of disciplines and academic approaches, and encourages social awareness, critical thinking, the development of new perspectives, and artistic appreciation.

Minor Requirements
Prospective minors are urged to enroll in 1xxx introductory courses offered in AFRO, AMIN, AAS, or CHIC (such as AMIN 1001—Indigenous Peoples: An American Perspective, AMIN 1003—Indigenous Peoples: A Minnesota Perspective, AAS 1101—Imagining Asian America) before officially declaring the minor.

Core Courses
Take 1 or more course(s) totaling 3 or more credit(s) from the following:
AFRO 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
AMST 3113W—America’s Diverse Cultures, DSJ, WI (3 cr)
ANTH 4047—Anthropology of American Culture, SOCS (3 cr)
SOC 3211W—American Race Relations, SOCS, DSJ, WI (3 cr)
HIST 3875W—Comparative Race and Ethnicity in US History, HIS, DSJ, WI (4 cr)
GWSS 3002—Gender, Race, and Class: Women’s Lives in the United States (3 cr)
GWSS 3303W—Writing Differences: Literature by U.S. Women of Color, LITR, DSJ, WI (3 cr)
GWSS 3203W—Blood, Bodies and Science, TS, SOCS, WI (3 cr)

Electives
Take 12 or more course(s) totaling 15 or more credit(s) from the following:
AMST 3117—Latinos in America’s Global Cities, SOCS, DSJ (3 cr)
AMST 3001—Contemporary Perspectives on Asian America, DSJ (3 cr)
HIST 3877—Asian American History, 1850-Present, HIS, DSJ (3 cr)
AAS 4311—Asian American Literature and Drama (3 cr)
AAS 3501—Asian American Through Arts and Culture, AH, DSJ (3 cr)
AFRO 3112—In the Heart of the Beat: the Poetry of Rap (3 cr)
AFRO 3251W—Sociological Perspectives on Race, Class, and Gender, WI (3 cr)
AFRO 3597W—Introduction to African American Literature and Culture I, WI (4 cr)
AFRO 3598W—Introduction to African American Literature and Culture II, WI (4 cr)
AFRO 3864—African American History: 1619 to 1865 (4 cr)
AFRO 3865—African American History: 1865 to the Present (4 cr)
AFRO 3866—The Civil Rights and Black Power Movement, 1954-1984 (3 cr)
AMIN 3201W—American Indian Literature, LITR, DSJ, WI (3 cr)
AMIN 3301—American Indian Philosophies, AH, DSJ (4 cr)
AMIN 3499—American Indian Women: Ethnographic and Ethnohistorical Perspectives, HIS, DSJ (3 cr)
AMIN 3501—American Indian Tribal Governments and Politics, HIS, DSJ (3 cr)
AMIN 3601—American Indian Oral Traditions, CD, LIT (3 cr)
AMIN 3871—American Indian History: Pre-Contact to 1830 (3 cr)
AMIN 3872—American Indian History: 1830 to the Present (3 cr)
AMIN 3876—American Indian Education (3 cr)
CHIC 3223—Chicana/o and Latina/o Representation in Film, AH, DSJ (3 cr)
CHIC 3597W—Introduction to Chicana/o Literature, LITR, DSJ, WI (3 cr)
CHIC 3212—Chicana Studies: La Chicana in Contemporary Society (3 cr)
CHIC 3444—Chicana and Chicano History: 1821-1945 (3 cr)
CHIC 3446—Chicana/o History II: WWII, El Movimiento, and the New Millenium (3 cr)
CHIC 3452—Xicana/Indigena Studies: History, Culture, and Politics (3 cr)
CHIC 3752—Chicanas and Chicanos in Contemporary Society (3 cr)
GWSS 3409W—Asian American Women’s Cultural Production, AH, DSJ, WI (3 cr)
GWSS 4401—Chicana/Latina Cultural Studies, AH, DSJ (3 cr)
Computer Science B.A.

Computer Science and Engineering
- Required credits to graduate with this degree: 120.
- Required credits within the major: 41.

Computer science concerns 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 emphases within computer science. The program prepares student for a variety of industrial, governmental, and business positions involving the use of computers or for graduate work in the field.

Admission Requirements
Students must complete 6 courses before admission to the program.
Freshmen and transfer students are usually admitted to pre-major status before admission to this major.
A GPA above 2.00 is preferred for the following:
- 2.40 for students already admitted to the degree-granting college.
- 2.40 for students transferring from another University of Minnesota college.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Courses for Admission

Mathematics and Computer Science
CSCI 1901—Structure of Computer Programming I (4 cr)
CSCI 1902—Structure of Computer Programming II (4 cr)
CSCI 2011—Discrete Structures of Computer Science (4 cr)
MATH 1271—Calculus I (4 cr)
MATH 1371—IT Calculus I (4 cr)
or MATH 1571H—Honors Calculus I, H (4 cr)
MATH 1272—Calculus II (4 cr)
or MATH 1572H—Honors Calculus II, H (4 cr)
MATH 2373—IT Calculus II (4 cr)
or MATH 1573H—Honors Calculus III, H (4 cr)
MATH 2571H—Honors Calculus I, H (4 cr)
MATH 2572H—Honors Calculus II, H (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
or MATH 2244—Linear Algebra and Differential Equations (H 4 cr)
MATH 2374—IT Linear Algebra and Differential Equations (4 cr)
or MATH 2374H—Honors Calculus IV, H (4 cr)

Program Requirements
Students are required to take 4 semester(s) of any second language.

Major Courses
The computer science senior project can be fulfilled by completing CSCI 3081W.
CSCI 2011—Machine Architecture and Organization (4 cr)
CSCI 3081W—Program Design and Development, W1 (4 cr)
CSCI 4011—Formal Languages and Automata Theory (4 cr)
CSCI 4041—Algorithms and Data Structures (4 cr)
CSCI 4061—Introduction to Operating Systems (4 cr)
STAT 3021—Introduction to Probability and Statistics (3 cr)

Electives
No more than 3 credits from CSCI 4970 or 59xx courses can be used to fulfill the elective requirement of nine credits.
Take 9 or more credit(s) from the following:
CSCI 4xxx
CSCI 5xxx

Program Sub-plans

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Computer Science Minor
- Required credits in this minor: 15 to 20.

The minor consists of at least five three- or four-credit approved computer science courses, with three taken at the University with the CSCI designator.

Minor Requirements
At least one course must be 5xxx. All courses must be taken A-F, and only courses completed with a grade of at least C- count toward the minor. Cumulative GPA for all University CSCI courses must be at least 2.00; this includes CSCI courses not used for the minor. Only computer science courses listed for the major are acceptable.

Cultural Studies and Comparative Literature B.A.

Cultural Studies and Comparative Literature
- Required credits to graduate with this degree: 120.
- Required credits within the major: 32.

Courses in the Department of Cultural Studies and Comparative Literature (CSCL) pursue questions and ways of knowing that cross traditional disciplinary boundaries. Students study culture as a set of complex connections and interrelations: between texts and everyday life, ideas and the material world, discourse and power. Students may choose between two tracks, cultural studies and comparative literature, each of which explores these overarching concerns with specific emphasis.

Both tracks strive for a broad, international scope, ranging widely across history and geography. The central focus is on the cultural mechanisms through which a society’s ways of knowing, value systems, and individual and collective identities are generated, disseminated, challenged, and reinvented. The goal of the program is to produce critical and self-critical readers prepared to actively participate in the intellectual conversations and social struggles that shape global culture in our time.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.
Program Requirements

Students are required to take 4 semester(s) of any second language.

Students select either the comparative literature or cultural studies track and complete a minimum of ten courses for the major: two introductory (1xxx) courses plus seven at upper division levels. To allow for flexibility, the tenth course may be taken at any level. The Senior Project requirement may be satisfied by fulfilling one of the following options:

- Completion of a project within a directed study (CSCL 3993, 4993, 5993)
- Completion of a project within a 3xxx or 4xxx course (arrangement with instructor)
- Completion of coursework, including substantial writing, in any CSCL 5xxx course
- Completion of an Honors thesis or project

Note for CSCL/CL/CSDS topics courses (3910, 39910), directed studies (3993, 4993, 5993), and internships: Students may use up to a total of three of these in their major, no more than two in any one category (two topics courses; two directed studies/ internships). Such courses may be counted as elective courses without prior approval or as major courses with prior written approval from the CSCL undergraduate adviser or director of undergraduate studies. Internships fall under the category of directed studies: students find a faculty member willing to work with them and submit a Faculty/Student Contract form under the course number 3993, 4993, or 5993.

In exceptional cases, courses from other units may be substituted for department major courses if approved by the undergraduate adviser or the director of undergraduate studies. Grades in the major must be C- or better.

Program Sub-plans

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html). Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Cultural Studies Sub-plan

The cultural studies track investigates practices in all available media, including the visual-spatial (painting, sculpture, architecture, landscape, the built environment), the sonoric (music, noise, soundscape), and combinations (film, TV, multimedia events, festivals, riots).

Required Courses for the Sub-plan

Preparatory Courses

- CSCL 1201—Introduction to Cinema and Media Culture, AH (4 cr)
- or CSCL 1501W—Reading History: Theory and Practice, HP, WI (4 cr)
- or CSCL 1921—Introduction to Film Study, AH (4 cr)
- CSCL 1301W—Reading Culture: Theory and Practice, AH, WI (4 cr)
- or CSCL 1001—Introduction to Cultural Studies: Rhetoric, Power, Desire (4 cr)

Major Courses

Take 5 or more course(s) including 3 or more sub-requirement(s) from the following:

Discursive Practices and Genres

Take 0 or more course(s) from the following:

- CSCL 3172—Music as Discourse, AH (3 cr)
- CSCL 3173W—The Rhetoric of Everyday Life, CIV, WI (3 cr)
- CSCL 3174—Poetry as Cultural Critique (3 cr)
- CSCL 3175—Comedy: Text and Theory, AH (3 cr)
- CSCL 3177—On Television (4 cr)
- CSCL 3179—Reading Literary Movements, LITR (3 cr)

Subjectivity and History

Take 0 or more course(s) from the following:

- CSCL 3421—Culture and the Production of Modern Identity I: 1600-1750 (3 cr)
- CSCL 3422—Culture and the Production of Modern Identity II: 1750-1900 (3 cr)
- CSCL 3456W—Sexuality and Culture, DSJ, WI (3 cr)
- CSCL 3458W—The Body and the Politics of Representation, W1 (3 cr)
- CSCL 3461—Monsters, Robots, Cyborgs, LITR (3 cr)
- CSCL 3472—Gay Men and Homophobia in American Culture, DSJ (3 cr)
- GER 3631—Jewish Writers and Rebels in German, Austrian, and American Culture (3 cr)

Ideologies and Disciplines

Take 0 or more course(s) from the following:

- CSCL 3115—Cinema and Ideology, AH (4 cr)
- CSCL 3176—Oppositional Cinemas, GP (4 cr)
- CSCL 3361—Visions of Nature: The Natural World and Political Thought (4 cr)
- CSCL 3979—Issues in Cultural Pluralism, C/PE, CD (3 cr)

Critical Theories and Methods

Take 0 or more course(s) from the following:

- CSCL 3321W—Theories of Culture, AH, W1 (3 cr)
- CSCL 3331—Science and Culture (3 cr)
- CSCL 3412W—Psychoanalysis and Literature Part I: The Essential Freud, W1 (3 cr)
- CSCL 3413W—Psychoanalysis and Literature Part II: Post Freudian Criticism, W1 (3 cr)
- CSCL 3557W—Close Reading, LITR, WI (3 cr)
- CSCL 3771—Basic Concepts of Literary Study (3 cr)

Electives

Take 1 or more course(s) from the following:

- CSCL 1xxx
- CSCL 2xxx
- CSCL 3xxx
- CSCL 5xxx

Take 2 or more course(s) from the following:

- CSCL 4xxx
- CSCL 5xxx
Comparative Literature Sub-plan

The comparative literature track engages primarily verbal texts, “literature” in its broadest sense (novels, plays, poetry, prose, and expository writing of various kinds), and in a historical and global context.

Required Courses for the Sub-plan

Preparatory Courses

CSCL 1101—Literature, LITR (4 cr)

or

CSCL 1401W—Reading Literature: Theory and Practice, LITR, WI (4 cr)

CSCL 1201—Introduction to Cinema and Media Culture, AH (4 cr)

or

CSCL 1501W—Reading History: Theory and Practice, HP, WI (4 cr)

or

CSCL 1921—Introduction to Film Study, AH (4 cr)

Major Courses

Take CSCL 3771 and (3179 or 3557W) and three additional 3xxx courses, including at least one from either Subjectivity and History or Ideologies and Disciplines.

CSCL 3771—Basic Concepts of Literary Study (3 cr)

CSCL 3179—Reading Literary Movements, LITR (3 cr)

or

CSCL 3557W—Close Reading, LITR, WI (3 cr)

Take 1 or more course(s) including 1 or more sub-requirement(s) from the following:

Subjectivity and History

Take 0 or more course(s) from the following:

CSCL 3421—Culture and the Production of Modern Identity I: 1600-1750 (3 cr)

CSCL 3422—Culture and the Production of Modern Identity II: 1750-1900 (3 cr)

CSCL 3456W—Sexuality and Culture, DSJ, WI (3 cr)

CSCL 3458W—The Body and the Politics of Representation, WI (3 cr)

CSCL 3461—Monsters, Robots, Cyborgs, LITR (3 cr)

CSCL 3472—Gay Men and Homophobia in American Culture, DSJ (3 cr)

GER 3631—Jewish Writers and Rebels in German, Austrian, and American Culture (3 cr)

Ideologies and Disciplines

Take 0 or more course(s) from the following:

CSCL 3115—Cinema and Ideology, AH (4 cr)

CSCL 3176—Oppositional Cinemas, GP (4 cr)

CSCL 3361—Visions of Nature: The Natural World and Political Thought (4 cr)

and

CSCL 3979—Issues in Cultural Pluralism, C/PE, CD (3 cr)

Electives

Take 1 or more course(s) from the following:

CSCL 1xxx

CSCL 2xxx

CSCL 3xxx

CSCL 4xxx

CSCL 5xxx

Take 2 or more course(s) from the following:

CSCL 4xxx

CSCL 5xxx

Cultural Studies and Comparative Literature Minor

• Required credits in this minor: 18.

Courses in the Department of Cultural Studies and Comparative Literature (CSCL) pursue questions and ways of knowing that cross traditional disciplinary boundaries. Students study culture as a set of complex connections and interrelations: between texts and everyday life, ideas and the material world, discourse and power.

Minor Requirements

Preparatory Courses

CSCL 1001—Introduction to Cultural Studies: Rhetoric, Power, Desire (4 cr)

or

CSCL 1101—Literature, LITR (4 cr)

or

CSCL 1201—Introduction to Cinema and Media Culture, AH (4 cr)

or

CSCL 1301W—Reading Culture: Theory and Practice, AH, WI (4 cr)

or

CSCL 1401W—Reading Literature: Theory and Practice, LITR, WI (4 cr)

or

CSCL 1501W—Reading History: Theory and Practice, HP, WI (4 cr)

or

CSCL 1921—Introduction to Film Study, AH (4 cr)

Minor Courses

Take 14 or more credit(s) from the following:

CSCL 3xxx

CSCL 4xxx

CSCL 5xxx

Dance B.A.

Theatre Arts and Dance

• Required credits to graduate with this degree: 120.

• Required credits within the major: 45.

The B.A. in dance emphasizes general studies of contemporary dance in a global context. This degree prepares the student for further studies in such areas of dance as performance, choreography, dance theory, teaching, arts management, movement therapy, and kinesiology.

Admission Requirements

Admission into the B.A. program is by audition only.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Major Core

DNCE 1601—Dance Improvisation (1 cr)

DNCE 1626—Music for Dance, AH (3 cr)

DNCE 3010—Modern Dance Technique 5 (2 cr)

DNCE 3020—Modern Dance Technique 6 (2 cr)

DNCE 3401W—Dance History 1, GP, WI (3 cr)

DNCE 3402W—Dance History 2, WI (3 cr)

DNCE 3601—Dance Composition 1 (3 cr)

DNCE 3602—Dance Composition 2 (3 cr)

DNCE 3901—Survival Strategies in Dance (3 cr)

DNCE 4443—Theorizing Dancing Bodies (3 cr)

DNCE 4601—Dance Composition 3 (3 cr)

Take 2 or more course(s) from the following:

DNCE 3700—Performance (1 cr)

DNCE 5700—Performance (1 cr)

Electives

Students must take a total of at least 12 credits in electives. Electives may be fulfilled by courses in dance or in fields related to dance. For example, courses in music, theatre, art history, kinesiology, cultural studies, speech communications, gender studies, as agreed upon between the student and dance adviser. At least 9 credits must be at 3xxx or above. No more than 3 credits in technique may be counted.

Senior Seminar

DNCE 4901—Senior Seminar (2 cr)
Danish Minor
German, Scandinavian, and Dutch
This is a free-standing minor.
• Required credits in this minor: 16.
The minor includes study of the spoken language, literature, culture, and civilization.

Minor Requirements
Students are required to take 4 semester(s) of Danish.
The minor consists of a minimum of 16 credits in 3xxx, 4xxx, and 5xxx courses with no more than one being a directed or independent study course. All courses must be taken A-F and completed with a grade of C- or better. At least one course must be taken in the University of Minnesota's Scandinavian Program. The program must be approved by the director of undergraduate studies.

Minor Courses
SCAN 3011—Readings in Scandinavian Languages (4 cr)

Take 4 or more course(s) totaling 12 or more credit(s) from the following:
SCAN 3xxx
SCAN 4xxx
SCAN 5xxx
Dutch Studies Minor

German, Scandinavian, and Dutch

This is a free-standing minor.

• Required credits in this minor: 15.

The minor includes study of the spoken language, literature, culture, and civilization.

Minor Requirements

Students are required to take 4 semester(s) of Danish.

The minor consists of a minimum of 15 credits in 3xxx, 4xxx (beyond 4004), and 5xxx courses with no more than one being a directed or independent study course. All courses in the minor must be taken A-F and be completed with a grade of at least C-. At least one course must be taken at the University of Minnesota Dutch studies program. The program must be approved by the director of undergraduate studies and may include courses in other departments.

Minor Courses

Up to two electives from other departments may be applied to the Dutch studies minor after consultation with the director of undergraduate studies.

DTCH 3011—Conversation and Composition (3 cr)
DTCH 3012—Conversation and Composition (3 cr)
Take 9 or more credit(s) from the following:
DTCH 3xxx
DTCH 4xxx
DTCH 5xxx

East Asian Studies Minor

Institute for Global Studies

This is a free-standing minor.

• Required credits in this minor: 19 to 23.

Students take four semesters of an East Asian language and four East Asian culture courses. Additional information may be found at http://igs.cla.umn.edu.

Minor Requirements

Students are required to take 4 semester(s) of Chinese, Japanese, or Korean.

Courses must be drawn from at least three different departments. A maximum of 3 credits may be in directed studies or directed research. All courses must be taken A-F with a grade of at least C-. The program must be approved by the global studies adviser.

Required Preparatory Courses

Chinese
CHN 1011—Beginning Modern Chinese (6 cr)
CHN 1012—Beginning Modern Chinese (6 cr)
CHN 3021—Intermediate Modern Chinese (5 cr)
CHN 3022—Intermediate Modern Chinese (5 cr)
or
Japanese
JPN 1011—Beginning Japanese (6 cr)
JPN 1012—Beginning Japanese (6 cr)
JPN 3021—Intermediate Japanese (5 cr)
JPN 3022—Intermediate Japanese (5 cr)
or

Korean
KOR 1011—Beginning Korean (5 cr)
KOR 1012—Beginning Korean (5 cr)
KOR 3021—Intermediate Korean (5 cr)
KOR 3022—Intermediate Korean (5 cr)

Minor Courses

Students must complete five courses. GEOG/EAS 3211 may be replaced by an approved substitute.

GEOG 3211—East Asia (3 cr)
Take two 3xxx-5xxx courses in the humanities dealing with East Asia or a single East Asian society.
Take one 3xxx-5xxx course in social sciences or history dealing with East Asia or a single East Asian society.
EAS 3461—Introduction to East Asia I: The Imperial Age (3–4 cr)
or
EAS 3462—From Subjects to Citizens: The History of East Asia From 1500 to the Present (3–4 cr)

Economics B.A.

Economics

• Required credits to graduate with this degree: 120.

• Required credits within the major: 34 to 36.

Economics emphasizes critical thinking and the understanding of basic economic principles. The B.A. gives students a solid background in economics, is the least quantitative of the three economics majors, and provides excellent preparation for students interested in working immediately after graduation or considering law school.

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.

For more information, visit www.econ.umn.edu.

Admission Requirements

Students must complete 3 courses before admission to the program.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Preparatory Coursework for Admission

MATH 1271—Calculus I (4 cr)
ECON 1101—Principles of Microeconomics, SOCS, GP (4 cr)
or
ECON 1101H—Honors Course: Principles of Microeconomics, H (4 cr)
ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)

Program Requirements

Students are required to take 4 semester(s) of any second language.

All Major Requirements courses must be taken A-F.

Three credits of independent study (ECON 3991) may be applied toward the major.

A grade of C- or better is required in all courses counting toward the degree.

Students must have a 2.00 GPA in all major courses in order to graduate. This policy is strictly enforced.

Supporting work in computer science, business, mathematics, and statistics is recommended.
Only one country/area study course (ECON 3960, 4311, 4313, or 4315) or DUS-approved study-abroad course may count toward the electives requirement.

Residency requirement: All students must complete 12 credits of their 4xxx and 5xxx economics courses at UMNTC.

Students must take at least one writing intensive course in economics, or take ECON 4101W concurrently with ECON 4831 or an honors course.

All study-abroad or transfer courses must be pre-approved by the director of undergraduate studies in economics.

**Major Course Requirements**

ECON 3101—Intermediate Microeconomics (4 cr)
ECON 3102—Intermediate Macroeconomics (4 cr)
STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
STAT 3022—Data Analysis (4 cr)

**Electives**

At least one 4xxx-5xxx course must be writing intensive.

Students may substitute ACCT 5100 and other selected 5xxx APEC courses for one of the six required elective courses, with the prior approval of the director of undergraduate studies.

ECON 4431W, 4631, 4721, 4731, 4741, and 4751 are also offered as four-credit honors courses open to all students.

Take 6 or more course(s) totaling 18 or more credit(s) from the following:

ECON 3960—Topics in Economics (3 cr)
ECON 4021—Economics, Ethics, and Economic Philosophy, WI (3 cr)
ECON 4099H—Honors Course: Game Theory and Applications, H (4 cr)
ECON 4133—Introduction to Mathematical Economics (4 cr)
ECON 4171—History of Economic Thought (3 cr)
ECON 4211—Principles of Econometrics (4 cr)
ECON 4311—Economy of Latin America (3 cr)
ECON 4313—The Russian Economy (3 cr)
ECON 4315—The Japanese Economy (3 cr)
ECON 431W—Economic Development, WI (3 cr)
ECON 4337—Comparative Economic Systems (3 cr)
ECON 4421W—Economic Integration of the Americas, WI (3 cr)
ECON 4431W—International Trade, GP, WI (3 cr)
ECON 4432W—International Finance, WI (3 cr)
ECON 4531—Labor Economics (3 cr)
ECON 4611H—Honors Course: Environmental Valuation, H (4 cr)
ECON 4621H—Honors Course: Urban Economics, H (4 cr)
ECON 4623—Housing Markets and Public Policy (3 cr)
ECON 4631—Industrial Organization and Antitrust Policy (3 cr)
ECON 4721—Money and Banking (3 cr)
ECON 4731—Macroeconomic Policy (3 cr)
ECON 4741—Quantitative Analysis of the Macroeconomy (3 cr)
ECON 4751—Financial Economics (3 cr)
ECON 4821—Public Economics (3 cr)
ECON 4831—Cost-Benefit Analysis, WI (3 cr)
ECON 4960—Topics in Economics (3 cr)
ECON 5890—Economics of the Health-Care System (3 cr)
ECON 4261—Introduction to Econometrics (4 cr)
ECON 4262—Econometric Analysis (2 cr)

**Senior Project**

This requirement may be waived if a senior project has been completed in another CLA department.

ECON 3951—Major Project Seminar (2 cr)
or 
ECON 3991—Independent Study (1–3 cr)
or 
The final project requirement may be fulfilled with a term paper from an upper division writing intensive (WI) course with a minimum grade of A-.
or 
The final project requirement may be fulfilled with an acceptable honors project or thesis (up to 6 credits).

**Program Sub-plans**

A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Economics B.S.**

**Economics**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 46 to 48.

Economics emphasizes critical thinking and the understanding of basic economic principles. 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.

For more information, visit [www.econ.umn.edu](http://www.econ.umn.edu).

**Admission Requirements**

Students must complete 4 courses before admission to the program.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Required Preparatory Coursework for Admission**

ECON 1101—Principles of Microeconomics, IP, SSCI (4 cr)
ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)
MATH 1271—Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
ECON 1101—Principles of Microeconomics, SOCS, GP (4 cr)
or 
ECON 1101H—Honors Course: Principles of Microeconomics, H (4 cr)

**Program Requirements**

All major courses must be taken A-F.

Three credits of independent study (ECON 3991) may be applied toward the major.

A grade of C- or better is required in all courses counting toward the degree.

Students must have a 2.00 GPA in all major courses in order to graduate. This policy is strictly enforced.

Supporting work in computer science, mathematics, and statistics is recommended.
Only one country/area study course (ECON 3960, 4311, 4313, or 4315) or DUS-approved study-abroad course may count toward the electives requirement.

Residency requirement: All students must complete 12 credits of their 4xxx and 5xxx economics courses at UMNTC.

Students must take at least one writing intensive course in economics, or take ECON 4100W concurrently with ECON 4831 or an honors course.

All study-abroad or transfer courses must be approved by the director of undergraduate studies in economics.

Major Courses
ECON 3101—Intermediate Microeconomics (4 cr)
ECON 3102—Intermediate Macroeconomics (4 cr)
ECON 4261—Introduction to Econometrics (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
MATH 2263—Multivariable Calculus (4 cr)
Take one of the following course pairs:
   STAT 4101—Theory of Statistics I (4 cr)
and STAT 4102—Theory of Statistics II (4 cr)
or STAT 5101—Theory of Statistics I (4 cr)
and STAT 5102—Theory of Statistics II (4 cr)

Electives
At least one 4xxx-5xxx course must be writing intensive.

Students may substitute selected 3xxx APEC courses for one of the six required elective courses, with the prior approval of the director of undergraduate studies. ECON 4431W, 4631, 4721, 4731, 4741, and 4751 are also offered as four-credit honors courses open to all students.

Take 6 or more course(s) totaling 20 or more credit(s) from the following:

   ECON 3960 Topical in Economics (3 cr)
   ECON 4021 Economics, Ethics, and Economic Philosophy, WI (3 cr)
   ECON 4171 History of Economic Thought (3 cr)
   ECON 4311 Economy of Latin America (3 cr)
   ECON 4313 The Russian Economy (3 cr)
   ECON 4315 The Japanese Economy (3 cr)
   ECON 4311 Economic Development, WI (3 cr)
   ECON 4337 Comparative Economic Systems (3 cr)
   ECON 4421 Economic Integration of the Americas, WI (3 cr)
   ECON 4432W International Finance, WI (3 cr)
   ECON 4551 Labor Economics (3 cr)
   ECON 4623 Housing Markets and Public Policy (3 cr)
   ECON 4631 Cost-Benefit Analysis, WI (3 cr)
   ECON 4960 Topics in Economics (3 cr)
   ECON 5990 Economics of the Health-Care System (3 cr)
   ECON 4261 Introduction to Econometrics (4 cr)
   ECON 4262 Econometric Analysis (2 cr)
   ECON 4431W International Trade, WP, WI, H (4 cr)
   ECON 4561 International Organization and Antitrust Policy (3 cr)
   ECON 4631H Honors Course: International Trade, IP, WI, H (4 cr)
   ECON 4721 Money and Banking (3 cr)
   ECON 4721H Honors Course: Money and Banking, H (4 cr)
   ECON 4731 Macroeconomic Policy (3 cr)
   ECON 4731H Honors Course: Macroeconomic Policy, H (4 cr)
   ECON 4741 Quantitative Analysis of the Macroeconomy (3 cr)
   ECON 4741H Honors: Quantitative Analysis of the Macroeconomy, H (4 cr)
   ECON 4751 Financial Economics (3 cr)
   ECON 4751H Honors Course: Financial Economics, H (4 cr)

Take 2 or more course(s) totaling 8 or more credit(s) from the following:
   ECON 4109H Honors Course: Game Theory and Applications, H (4 cr)
   ECON 4113 Introduction to Mathematical Economics (4 cr)
   ECON 4262 Econometric Analysis (2 cr)
   ECON 431Y Honors Course: International Trade, IP, WI, H (4 cr)
   ECON 4611H Honors: Environmental Valuation, H (4 cr)
   ECON 4621H Honors Course: Urban Economics, H (4 cr)
   ECON 4631H Honors Course: Industrial Organization and Antitrust Policy, H (4 cr)
   ECON 4721H Honors Course: Money and Banking, H (4 cr)
   ECON 4731H Honors Course: Macroeconomic Policy, H (4 cr)
   ECON 4741H Honors: Quantitative Analysis of the Macroeconomy, H (4 cr)
   ECON 4751H Honors Course: Financial Economics, H (4 cr)
   ECON 4821 Public Economics (3 cr)
   ECON 4623H Honors Course: Urban Economics, H (4 cr)
   ECON 4631H Honors Course: Industrial Organization and Antitrust Policy, H (4 cr)
   ECON 4721H Honors Course: Money and Banking, H (4 cr)
   ECON 4731H Honors Course: Macroeconomic Policy, H (4 cr)
   ECON 4741H Honors: Quantitative Analysis of the Macroeconomy, H (4 cr)
   ECON 4751H Honors Course: Financial Economics, H (4 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Economics Minor
• Required credits in this minor: 13 to 30.
   Economics is a useful minor for students majoring in business, engineering, statistics, computer science, mathematics, and all of the social sciences. Minors are available in six subfields designed to complement study in other majors. Minors require 13–30 credits of upper level work, depending on the subfield. This includes a minimum of three or more upper level economics courses and supporting work in mathematics and/or statistics, as needed for the subfield. Students must complete at least 9 upper division economics credits at the University of Minnesota, Twin Cities.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Courses for Admission
Preparatory Courses
ECON 1101 Principles of Microeconomics, IP, SSCI (4 cr)
or ECON 1101H Honors Course: Principles of Microeconomics, IP, SSCI, H (4 cr)
or ECON 1104 Principles of Microeconomics, IP, SSCI (4 cr)
or ECON 1102 Principles of Macroeconomics, IP, SSCI (4 cr)
or ECON 1105 Principles of Macroeconomics, IP, SSCI (4 cr)
Minor Requirements
Students are required to complete one of the following sub-plans.

Program Sub-plans
(Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

General Sub-plan
No substitutions are permitted.
All courses for the minor must be taken A-F.
A grade of C- or better is required in all courses in the minor.
Only one country/area course will count toward the requirements.
Residency Requirement: Students must complete at least 9 of their upper division economics semester credits (3xxx and 4xxx) at UMNTC.
Successful completion of the courses listed here constitutes satisfaction of the requirements for a minor in general economics.

Required Courses for the Sub-plan
Core Requirements
MATH 1142—Short Calculus, MATH (4 cr)
or MATH 1271—Calculus I, MATH (4 cr)
ECON 3101—Intermediate Microeconomics (4 cr)
or ECON 3105—Managerial Economics (4 cr)
Electives
Take 3 or more course(s) totaling 9 or more credit(s) from the following:
ECON 3xx
ECON 4xx

Economic Theory Sub-plan
No substitutions are permitted.
All courses for the minor must be taken A-F.
A grade of C- or better is required in all courses in the minor.
Only one country/area course will count toward the requirements.
Residency Requirement: Students must complete at least 9 of their upper division economics semester credits (3xxx and 4xxx) at UMNTC.
Successful completion of the courses listed here constitutes satisfaction of the requirements for a minor in economic theory.

Required Courses for the Sub-plan
Core Requirements
MATH 1271—Calculus I, MATH (4 cr)
MATH 1272—Calculus II (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
ECON 3101—Intermediate Microeconomics (4 cr)
ECON 3102—Intermediate Macroeconomics (4 cr)
ECON 3993—Directed Studies (1–3 cr)
ECON 4261—Introduction to Econometrics (4 cr)
Take one of the following course pairs:
STAT 4101—Theory of Statistics I (4 cr)
and STAT 4102—Theory of Statistics II (4 cr)
or STAT 5101—Theory of Statistics I (4 cr)
and STAT 5102—Theory of Statistics II (4 cr)
Directed Study
Take 3 or more credit(s) from the following:
ECON 3993—Directed Studies (1–3 cr)

International Trade and Development Sub-plan
No substitutions are permitted.
All courses for the minor must be taken A-F.
A grade of C- or better is required in all courses in the minor.
Only one country/area course will count toward the requirements.
Residency Requirement: Students must complete at least 9 of their upper division economics semester credits (3xxx and 4xxx) at UMNTC.
Successful completion of the courses listed here constitutes satisfaction of the requirements for a minor in international trade and development.

Required Courses for the Sub-plan
Core Requirements
ECON 3101—Intermediate Microeconomics (4 cr)
or MATH 1142—Short Calculus, MATH (4 cr)
or MATH 1271—Calculus I, MATH (4 cr)
ECON 4301—Economic Development, WI (3 cr)
or ECON 4311—Economy of Latin America (3 cr)
or ECON 4313—The Russian Economy (3 cr)
or ECON 4315—The Japanese Economy (3 cr)
or Study-abroad course approved by director of undergraduate studies in economics.
Take the following course or course pair:
ECON 4401—International Economics, IP (3 cr)
or ECON 4431W—Economic Development, WI (3 cr)
and ECON 4432W—International Finance, IP, WI (3 cr)

Applied Microeconomics Sub-plan
No substitutions are permitted.
All courses for the minor must be taken A-F.
A grade of C- or better is required in all courses in the minor.
Only one country/area course will count toward the requirements.
Residency Requirement: Students must complete at least 9 of their upper division economics semester credits (3xxx and 4xxx) at UMNTC.

Successful completion of the courses listed here constitutes satisfaction of the requirements for a minor in applied microeconomics.

Required Courses for the Sub-plan
Core Requirements
In addition to these courses, ECON 4211 is also recommended.
MATH 1271—Calculus I, MATH (4 cr)
ECON 3101—Intermediate Microeconomics (4 cr)
Additional economics major course
ECON 3501—Labor Economics (3 cr)
or ECON 4531—Labor Economics (3 cr)
ECON 3601—Industrial Organization and Antitrust Policy (3 cr)
or ECON 4631—Industrial Organization and Antitrust Policy (3 cr)
ECON 3801—Elements of Public Economics (3 cr)
or ECON 4821—Public Economics (3 cr)
or ECON 4831—Cost-Benefit Analysis, WI (3 cr)

Monetary Theory Sub-plan
Required Courses for the Sub-plan
Core Requirements
ECON 3101—Intermediate Microeconomics (4 cr)
ECON 3102—Intermediate Macroeconomics (4 cr)
ECON 4751—Financial Economics (3 cr)
STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
ECON 3701—Money and Banking (3 cr)
or ECON 4721—Money and Banking (3 cr)
ECON 4731—Macroeconomic Policy (3 cr)
or ECON 4741—Quantitative Analysis of the Macroeconomy (3 cr)
MATH 1142—Short Calculus, MATH (4 cr)
or ECON 4751—Financial Economics (3 cr)

Economics—Quantitative Emphasis B.A.
Economics
• Required credits to graduate with this degree: 120.
• Required credits within the major: 35 to 37.

Economics emphasizes critical thinking and understanding of basic economic principles. 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.

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.

For more information, visit www.econ.umn.edu.

Admission Requirements
Students must complete 4 courses before admission to the program.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Preparatory Coursework for Admission
ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)
MATH 1271—Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
ECON 1101—Principles of Microeconomics, SOCS, GP (4 cr)
or ECON 1101H—Honors Course: Principles of Microeconomics, H (4 cr)

Program Requirements
Students are required to take 4 semester(s) of any second language.
All Major courses must be taken A-F.

Three credits of independent study (ECON 3991) may be applied toward the major.

A grade of C- or better is required in all courses counting toward the degree.

Students must have a 2.00 GPA in all major courses in order to graduate. This policy is strictly enforced.

Supporting work in computer science, mathematics, and statistics is recommended.

Only one country/area study course (ECON 3960, 4311, 4313, or 4315) or DUS-approved study-abroad course may count toward the elective requirements.

Residency requirement: All students must complete 12 credits of their 4xxx and 5xxx economics courses at UMNTC.

Students must take at least one writing intensive course in a major discipline in economics, or take ECON 4100W concurrently with ECON 4831 or an honors course.

All study-abroad or transfer courses must be approved by the director of undergraduate studies in economics.

Major Courses
ECON 3101—Intermediate Microeconomics (4 cr)
ECON 3102—Intermediate Macroeconomics (4 cr)
ECON 4211—Principles of Econometrics (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)

Electives
At least one 3xxx-5xxx course must be writing intensive.

Students may substitute selected 5xxx APEC courses for one of the six required elective courses, with the prior approval of the director of undergraduate studies.

ECON 4311W, 4631, 4721, 4731, 4741, and 4751 are also offered as four-credit honors courses open to all students.

Take 4 or more course(s) totaling 12 or more credit(s) from the following:
ECON 3960—Topics in Economics (3 cr)
ECON 4021—Economics, Ethics, and Economic Philosophy, WI (3 cr)
ECON 4109H—Honors Course: Game Theory and Applications, H (4 cr)
ECON 4113—Introduction to Mathematical Economics (4 cr)
ECON 4171—History of Economic Thought (3 cr)
ECON 4311—Economy of Latin America (3 cr)
ECON 4313—The Russian Economy (3 cr)
ECON 4315—Japan and the Japanese Economy (3 cr)
ECON 4331W—Economic Development, WI (3 cr)
ECON 4337—Comparative Economic Systems (3 cr)
ECON 4421W—Economic Integration of the Americas, WI (3 cr)
ECON 4431W—International Trade, WI (3 cr)
ECON 4432W—International Finance, WI (3 cr)
ECON 4531—Labor Economics (3 cr)
ECON 4611H—Honors Course: Environmental Valuation, H (4 cr)
ECON 4621H—Honors Course: Urban Economics, H (4 cr)
ECON 4623—Housing Markets and Public Policy (3 cr)
ECON 4631—Industrial Organization and Antitrust Policy (3 cr)
ECON 4721—Money and Banking (3 cr)
ECON 4731—Macroeconomic Policy (3 cr)
ECON 4741—Quantitative Analysis of the Macroeconomy (3 cr)
ECON 4751—Financial Economics (3 cr)
ECON 4821—Public Economics (3 cr)
ECON 4831—Cost-Benefit Analysis, WI (3 cr)
ECON 4960—Topics in Economics (3 cr)
ECON 5890—Economics of the Health-Care System (3 cr)
ECON 4261—Introduction to Econometrics (4 cr)
ECON 4262—Econometric Analysis (2 cr)

Senior Project
This requirement may be waived if a senior project has been completed in another
CLA department.
ECON 3951—Major Project Seminar (2 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP)
must fulfill UHP requirements in addition to degree program
requirements. Honors courses used to fulfill degree program
requirements will also fulfill UHP requirements. Current
departmental honors course offerings are listed at www.honors
.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final
year, most often in conjunction with an honors thesis course,
or with an honors directed studies or honors directed research
course. Students select honors courses and plan for a thesis project
in consultation with their UHP adviser and their departmental
faculty adviser.

English B.A.

English Language and Literature
• Required credits to graduate with this degree: 120.
• Required credits within the major: 35.

Students who major in English study literature and other forms
of verbal expression, literary history and criticism, critical
tvory, linguistics, and creative writing. Courses offered by
the department explore a wide range of discourses written in
English—from around the globe, as well as from Britain and
America—including poetry, drama, fiction, film, popular culture,
electric media. Students examine the cultural, social,
political, and economic contexts that condition a variety of
texts. Majors write extensively and learn to express themselves
effectively, both orally and in writing. They gain practical insight
into the words that they speak, read, and write.

Students transferring courses from other colleges and universities
must complete five University of Minnesota three- or four-credit
English courses in residence. These courses must include ENGL
3960W, ENGW 3960W, or ENGL 3883V (the senior project
course), and at least four other upper division courses (3xxx or
higher).

Students wishing to transfer English courses from outside the
University of Minnesota and apply them to the English major
requirements should discuss this with the undergraduate adviser.
Note: All English courses completed at two-year community
colleges are accepted as equivalent to University lower division
(1xxx) courses, regardless of content. Advanced Placement (AP)
and International Baccalaureate (IB) credits are not included in
the major.

Admission Requirements
Prospective majors are encouraged to complete an introductory
course in literature, creative writing, and/or English language,
chosen from ENGL 1001–1701 and ENGW 1101–1104, before
officially declaring the major. To declare a major, a student
schedules an appointment with the Undergraduate Studies
Office (227 Lind Hall; 612-625-4592; engmaj@umn.edu), and
completes a Major Program Form which is filed in CLA, the
department, and with the student. Advisers recommend that
students declare the major during the second semester of the
freshman year.

For information about University of Minnesota admission
requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second
language.

English majors are encouraged to study in other countries before
their senior year, to increase understanding of English language
and literatures from diverse cultural perspectives. Advanced
planning facilitates academic success and progress. See the
Learning Abroad Center website at www.UMabroad.umn.edu
for more information.

The English department supports an engaged, civic-oriented
curriculum and teaches the critical skills of reading and writing in
the context of community involvement and real public spheres by
incorporating community and service-learning components into
literature and composition classes.

Students can work as interns at local organizations, neighborhood
houses, alternative schools, after-school programs, and in the
grassroots/nonprofit sector of the greater Twin Cities area. While
underscoring the relevance of literary studies to contemporary
life, these hands-on experiences prepare students not only for
careers and professions, but also for an ongoing engagement in
the civic life of their communities. Students can learn more from
the University of Minnesota Literacy Lab website and from their
major adviser.

Note:
1. Independent study is limited to 12 credits of directed study,
directed instruction, or independent and distance learning
(IDL) courses.
2. Thirty-two (32) of the 35 credits required for the major must
be fulfilled with upper division (3xxx or higher) courses. One
elective course may be at the 1xxx level.

Textual Analysis
The methods course provides skills in close and critical reading, background in
history and culture, and multiple approaches to literary works.
ENGL 3001W—Textual Analysis: Methods, W1 (4 cr)
ENGL 3001V—Honors: Textual Analysis, Methods, WI, H (4 cr)

Shakespeare
A 3xxx Shakespeare course, together with the required historical literature
courses, situates literary works in historical, cultural, and theoretical
perspectives.
ENGL 3007—Shakespeare, LITR (3 cr)
ENGL 3007H—Honors: Shakespeare, LITR, H (3 cr)

American/British Surveys and Historical Literature
The surveys and historical literature courses, together with a 3xxx Shakespeare
course, situate literary works in historical, cultural, and theoretical perspectives.
A third survey may be used to satisfy the historical literature requirement.
A course used to satisfy the historical literature requirement may also not also satisfy an elective requirement.

ENGL 3003W—Historical Survey of British Literatures I, HIS, WI (4 cr) and ENGL 3006W—Survey of American Literatures and Cultures II, LITR, DSJ, WI (4 cr) or ENGL 3004W—Historical Survey of British Literatures II, HIS, WI (4 cr) and ENGL 3005W—Survey of American Literatures and Cultures I, LITR, DSJ, WI (4 cr) or ENGL 3005V—Honors: Survey of American Literature I, WI, H (4 cr)

Take 1 or more course(s) from the following:
AFRO 3591W—Introduction to African American Literature, WI (4 cr) AMIN 3201W—American Indian Literature, LITR, DSJ, WI (3 cr) CHIC 3507W—Introduction to Chicana/o Literature, LITR, DSJ, WI (3 cr) ENGL 3001—Honors: Studies in Poetry, H (3 cr) ENGL 3002—Modern Literary Criticism and Theory (3 cr) ENGL 3003W—Historical Survey of British Literatures I, HIS, WI (4 cr) ENGL 3004W—Historical Survey of British Literatures II, HIS, WI (4 cr) ENGL 3006W—Survey of American Literatures and Cultures II, LITR, DSJ, WI (4 cr) ENGL 3101—Survey of Medieval English Literature (3 cr) ENGL 3102—Chaucer (3 cr) ENGL 3115—Medieval and Renaissance Drama (3 cr) ENGL 3132—The King James Bible as Literature (3 cr) ENGL 3133—Stuart England: 17th-Century Literature and Culture (3 cr) ENGL 3133H—Honors: Stuart England: 17th-Century Literature and Culture, H (3 cr) ENGL 3134—Milton and the Century of Revolution (3 cr) ENGL 3134H—Honors: Milton and the Century of Revolution, H (3 cr) ENGL 3141—The Restoration and the Eighteenth Century (3 cr) ENGL 3151H—Honors: Romantic Literatures and Cultures, H (3 cr) ENGL 3161—Victorian Literatures and Cultures (3 cr) ENGL 3161H—Honors: Victorian Literatures and Cultures, H (3 cr) ENGL 3175—20th-Century British Literatures and Cultures I (3 cr) ENGL 3176—20th-Century British Literatures and Cultures II (3 cr) ENGL 3211—American Poetry to 1900 (3 cr) ENGL 3212—American Poetry from 1900 (3 cr) ENGL 3221—American Drama to 1900 (3 cr) ENGL 3222—American Drama from 1900 (3 cr) ENGL 3231—American Drama (3 cr) ENGL 3231H—Honors: American Drama, H (3 cr) ENGL 3231W—Introduction to African American Literature and Culture I, WI (4 cr) ENGL 3590—Learning Internships I (4 cr) ENGL 3591—Community Learning Internships I, LITR, DSJ, WI (4 cr) or ENGL 3592W—Honors: Survey of American Literature I, WI, H (4 cr)

English Language or Literary Theory
This requirement allows students to deepen their understanding of the English language or to concentrate on theoretical questions that shape readers’ understanding of texts.

ENGL 3002—Modern Literary Criticism and Theory (3 cr) or ENGL 3601—Analysis of the English Language (4 cr) or ENGL 3741—Literacy and American Cultural Diversity, LITR, CIV (4 cr) or ENGL 4003—History of Literary Theory (3 cr) or ENGL 4602W—Gender and the English Language, WI (4 cr) or ENGL 4603W—World Englishes, WI (4 cr) or ENGL 4605—Social Variation in American English (4 cr) or ENGL 4612—Old English I (3 cr) or ENGL 4613—Old English II (3 cr) or ENGL 4722—Alphabet to Internet: History of Writing Technologies (4 cr) or take both of the following internship courses.
ENGL 3505—Community Learning Internships I (3 cr) ENGL 3506—Learning Internships II (4 cr)

Electives
Electives are generally devoted to in-depth study of particular authors, topics, periods, or genres. Creative writing electives enable students to explore the ways in which prose and poetry are created and read. Any 3xxx-5xxx ENGL/W course not used to fulfill other major requirements may be used as an elective. A course used as an elective may not be used to satisfy a historical literature requirement. Take 3 or more course(s) from the following:
AFRO 3591W—Introduction to African American Literature, WI (4 cr) AMIN 3201W—American Indian Literature, LITR, DSJ, WI (3 cr) CHIC 3507W—Introduction to Chicana/o Literature, LITR, DSJ, WI (3 cr) ENGL 3010—Studies In Poetry (3 cr) ENGL 3010H—Honors: Studies in Poetry, H (3 cr) ENGL 3020—Studies in Narrative (3 cr) ENGL 3020H—Honors: Studies in Narrative, H (3 cr) ENGL 3027W—The Essay, WI (4 cr) ENGL 3029W—Professional Writing, WI (3 cr) ENGL 3030—Studies in Drama (3 cr) ENGL 3030H—Honors: Studies in Drama, H (3 cr) ENGL 3040—Studies in Film (3 cr) ENGL 3040H—Honors: Studies in Film, H (3 cr) ENGL 3050—Studies in Literature and the Other Arts (3 cr) ENGL 3070—Studies in Literary and Cultural Modes (3 cr) ENGL 3090—General Topics (1–4 cr) ENGL 3090H—Honors: General Topics, H (3 cr) ENGL 3501—Survey of Medieval English Literature (3 cr) ENGL 3502—Chaucer (3 cr) ENGL 3510—Medieval Literatures and Cultures: Intro to Medieval Studies (3 cr) ENGL 3515—Medieval and Renaissance Drama (3 cr) ENGL 3522—Shakespeare II: The Major Themes (3 cr) ENGL 3532—The King James Bible as Literature (3 cr) ENGL 3533—Stuart England: 17th-Century Literature and Culture (3 cr) ENGL 3533H—Honors: Stuart England: 17th-Century Literature and Culture, H (3 cr) ENGL 3534—Milton and the Century of Revolution (3 cr) ENGL 3541—The Restoration and the Eighteenth Century (3 cr) ENGL 3541H—Honors: Romantic Literatures and Cultures, H (3 cr) ENGL 3541W—Introduction to African American Literature and Culture I, WI (4 cr) ENGL 3590—Learning Internships I (4 cr) ENGL 3591—Community Learning Internships I, LITR, DSJ, WI (4 cr) or take both of the following internship courses.
ENGL 3501—Public Discourse: Coming to Terms With the Environment, LITR, DSJ, WI (4 cr) or take both of the following internship courses.
ENGL 3505—Community Learning Internships I (3 cr) ENGL 3506—Learning Internships II (4 cr) or take both of the following internship courses.
ENGL 3505—Community Learning Internships I (3 cr) ENGL 3506—Learning Internships II (4 cr)

College of Liberal Arts
ENGL 3598W—Introduction to African American Literature and Culture II, LITR, WI (4 cr)
ENGL 3711—Literary Magazine Production Lab I (4 cr)
ENGL 3713—Editing for Publication (4 cr)
ENGL 3870—Figures in English and North American Literature (3 cr)
ENGL 3881—London Seminar (3 cr)
ENGL 3993—Directed Study (1–4 cr)
ENGL 4041—Old Age in Film and Literature (3 cr)
ENGL 4099—General Topics (1–4 cr)
ENGL 4152—Nineteenth Century British Novel (3 cr)
ENGL 4153—Nineteenth-Century British Poetry (3 cr)
ENGL 4232—American Drama by Writers of Color (3 cr)
ENGL 4233—Modern and Contemporary Drama (3 cr)
ENGL 4311—Asian American Literature and Drama, LITR, DSJ (3 cr)
ENGL 4593—The African-American Novel (3 cr)
ENGL 5711—Introduction to Editing (4 cr)
ENGL 5712—Advanced Editing (4 cr)
ENGW 3102—Intermediate Fiction Writing (3 cr)
ENGW 3104—Intermediate Poetry Writing (3 cr)
ENGW 3105—Advanced Poetry Writing (4 cr)
ENGW 3106—Intermediate Literary Nonfiction Writing (3 cr)
ENGW 3107—Advanced Literary Nonfiction (4 cr)
ENGW 3110—Topics in Creative Writing (3 cr)
ENGW 5204—Playwriting (4 cr)
ENGW 5205—Screenwriting (4 cr)
ENGW 5207—Screenwriting II (4 cr)
ENGW 5606—Literary Aspects of Journalism (3 cr)

Take no more than 1 course(s) from the following:
ENGL 1001V—Introduction to Literature: Poetry, Drama, Narrative, LITR, WI, H (4 cr)
ENGL 1001W—Introduction to Literature: Poetry, Drama, Narrative, LITR, WI (4 cr)
ENGL 1021V—Introduction to the Essay, WI, H (4 cr)
ENGL 1171W—The Story of King Arthur, WI (3 cr)
ENGL 1181V—Honors: Introduction to Shakespeare, WI, H (4 cr)
ENGL 1181W—Introduction to Shakespeare, LITR, WI (4 cr)
ENGL 1201V—Honors: Contemporary American Literature, WI, H (4 cr)
ENGL 1201W—Contemporary American Literature, LITR, WI (4 cr)
ENGL 1301V—Honors: Introduction to Multicultural Literatures of the United States, WI, H (4 cr)
ENGL 1301W—Introduction to Multicultural Literatures of the United States, LITR, DSJ, WI (4 cr)
ENGL 1401V—Honors: Introduction to “Third World” Literatures in English, WI, H (4 cr)
ENGL 1401W—Introduction to “Third World” Literatures in English, LITR, GP, WI (4 cr)
ENGL 1501W—Literature of Public Life, LITR, CIV, WI (4 cr)
ENGL 1601W—English Language and Society, WI (4 cr)
ENGL 1701—Modern Fiction, LITR (3 cr)
ENGL 1701H—Honors: Modern Fiction, H (4 cr)
ENGL 1905—Topics: Freshman Seminar (3 cr)
ENGW 1901W—Topics: Freshman Seminar, WI (3 cr)
ENGW 1101W—Introduction to Creative Writing, LITR, WI (4 cr)
ENGW 1102—Introduction to Fiction Writing (3 cr)
ENGW 1103—Introduction to Poetry Writing (3 cr)
ENGW 1104—Introduction to Literary Nonfiction Writing (3 cr)

Senior Project
The program of study culminates in a writing project (4 credits), completed either in a rigorous and intensive seminar in which students produce an extended, scholarly essay (ENGL 3960W), or in an advanced creative writing workshop (ENGW 3960W) in which students produce a substantial manuscript of poetry, literary fiction, or literary nonfiction, or in a 2-semester, 4-credit honors thesis (ENGL 3883V).
ENGL 3883V—Honors Thesis, WI, H (1–4 cr)
or ENGL 3960W—Senior Seminar, WI (4 cr)
or ENGW 3960W—Writing Workshop for Majors, WI (4 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academic/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

A 3xx English honors course is required in addition to the honors senior paper course. The senior paper can be completed in ENGL 3960W or ENGW 3960W for cum laude or magna cum laude degree candidates, or in ENGL 3883V for summa cum laude degree candidates.

English Minor

- Required credits in this minor: 18.

Students who minor in English study literature and other forms of verbal expression, literary history and criticism, critical theory, linguistics, and creative writing. Courses offered by the department explore a wide range of discourses written in English—from around the globe, as well as from Britain and America—including poetry, drama, fiction, film, popular culture, and electronic media.

Students in any degree program complete at least 18 credits in the minor, all in 3xx or higher courses, as part of the minimum credits for their baccalaureate degree program.

Students begin their studies, ideally in their sophomore year, with the department’s methods course (ENGL 3001W), progress with the department’s methods course (ENGL 3001W), progress to taking Shakespeare (ENGL 3007 or a department-approved Shakespeare in London course), and two surveys in British and American literature (selected from ENGL 3003W, 3004W, 3005W, and 3006W). In addition, students choose at least one English elective course (3 to 4 credits of 3xxx or higher in ENGL, ENGC, or ENGW). The methods course—ENGL 3001W—provides minors with skills in close and critical reading, the background in history and culture, and multiple approaches to literary works that will guide their continued studies. Shakespeare and the British and American literature surveys situate literary works in historical, cultural, and theoretical perspective.

Minor Requirements
All five English minor courses must be taken A-F and completed with grades C- or better. The equivalent of one course in independent study work may be applied to the minor. Coursework completed elsewhere may be counted toward the minor only with department approval. Students must take at least two of the 3xxx minor courses in the University of Minnesota, Twin Cities English department.

Minor Courses
ENGL 3001W—Textual Analysis: Methods, W1 (4 cr)
ENGL 3007—Shakespeare, LIT (3 cr)
or ENGL 3xx
or ENGL 4xx
College of Liberal Arts

or ENGL 5xxx
or ENGW 3xxx

Take 2 or more course(s) from the following:
ENGL 3003W—Historical Survey of British Literatures I, HP, WI (4 cr)
ENGL 3004W—Historical Survey of British Literatures II, HP, WI (4 cr)
ENGL 3005W—Survey of American Literatures and Cultures I, CD, LIT, WI (4 cr)
ENGL 3006W—Survey of American Literatures and Cultures II, CD, LIT, WI (4 cr)

English as a Second Language Minor
Second Language Studies
This is a free-standing minor.
• Required credits in this minor: 15.
The minor requires four courses.

Minor Requirements

Minor Courses
SLS 3001W—Basics in Teaching English as a Second Language, WI (4 cr)
SLS 3501—Practical Language Learning for International Communication (3 cr)
LING 3001—Introduction to Linguistics (4 cr)
or LING 5001—Introduction to Linguistics (4 cr)
SLS 3401—Introduction to Pronunciation and Grammar for ESL Teachers (4 cr)
or SLS 5401—Language Analysis for Teachers of English as a Second Language (4 cr)

Environmental Geosciences Minor
College of Liberal Arts
This is a free-standing minor.
• Required credits in this minor: 18.
The minor is offered in cooperation with the Department of Geology and Geophysics.

Minor Requirements
Students must complete GEO 1001, 1002, 1004, or 3001.

Preparatory Courses
GEO 1001—Earth and Its Environments, ENVT, PHYS SCI/L (4 cr)
or GEO 1002—Earth History, ENVT, PHYS SCI/L (4 cr)
or GEO 1011—Volcanoes of the Earth, PHYS SCI/L (4 cr)
or PSTL 3171—Earth Systems and Environments, ENVT, PHYS SCI/L (4 cr)
or GEO 2201—Geodynamics I: The Solid Earth (4 cr)

Minor Courses
Higher level courses such as GEO 4701, GEO 4631, or GEO 5701 can be substituted with approval from the undergraduate adviser. The adviser may also approve courses from other departments (e.g., ANTH 3041, ECON 3611, GEOG 5441, SOC 4305).

Take 14 or more credit(s) from the following:
GEO 3001—Earth Materials (3 cr)
GEO 3002—Climate Change and Human History, ENVT (3 cr)
GEO 3003—Geohazards, C/PE, ENVT (3 cr)
GEO 3004—Water and Society, C/PE, ENVT (3 cr)
GEO 3005—Earth Resources, C/PE, IP (3 cr)
GEO 3006—Plants of the Solar System (3 cr)

European Area Studies Minor
Institute for Global Studies
This is a free-standing minor.
• Required credits in this minor: 15.
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). Additional information may be found on the Institute for Global Studies website at http://igs.cla.umn.edu.

Minor Requirements
Students are required to take 4 semester(s) of Any European language.
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 global studies adviser.

Minor Courses
GEOG 3161—Europe: A Geographic Perspective (3 cr)
HIST 3722—Studies in 20th-Century Europe From the End of World War II to the End of the Cold War: 1945-91 (3 cr)
At least 6 credits of humanities from any department with approval of a global studies adviser.
After completing the GEOG 3161, HIST 3722, and six credits in humanities, take any course in any discipline focusing on some aspect of Europe, with the approval of a global studies adviser.

Finnish Minor
German, Scandinavian, and Dutch
This is a free-standing minor.
• Required credits in this minor: 15.
The minor includes study of the spoken language, literature, culture, and civilization.

Minor Requirements
Students are required to take 4 semester(s) of Finnish.
The minor consists of a minimum of 15 credits in 3xxx, 4xxx (beyond 4004), and 5xxx courses with no more than one being a directed or independent study course. All courses must be taken A-F and completed with a grade of C- or better. At least one course must be taken in the Scandinavian Program at the University of Minnesota, Twin Cities. The program must be approved by the director of undergraduate studies.

Minor Courses
FIN 3011—Advanced Finnish (3 cr)
FIN 3012—Advanced Finnish (3 cr)
Take 3 or more course(s) totaling 9 or more credit(s) from the following:
FIN 3xxx
FIN 5xxx
SCAN 3xxx
SCAN 4xxx
SCAN 5xxx

Information listed in this catalog is current as of April 2010. For up-to-date information, visit www.catalogs.umn.edu.
French Studies B.A.

French and Italian
- Required credits to graduate with this degree: 120.
- Required credits within the major: 33 to 34.

The French studies major includes courses in three areas of concentration: 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 studies major with another major. 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
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of French.

At least four upper division courses must be completed in the French department at the University of Minnesota, Twin Cities campus.

Major Courses
Courses not used to fulfill a Major Courses requirement may be taken to fulfill elective requirements.

FREN 3015—Advanced French Grammar and Communication (3 cr)
FREN 3016—Advanced French Composition and Communication (3 cr)
FREN 3101W—Introduction to French Literature, LITR, WI (4 cr)
FREN 3111—Medieval Stories (3 cr)
FREN 3140—Topics in Medieval and Renaissance Literature (3 cr)
FREN 3170—The Utruly Subject(s) of Classicism: Writing, History, Power in Ancien Régime France (3 cr)
FREN 3172—The Court Society: Literature, Culture, Spectacle (3 cr)
FREN 3181—Mapping Enlightenment in 17th- and 18th-Century French Prose (3 cr)
FREN 3240—Topics in Ancien Régime Literature (3 cr)
FREN 3250—French Poetry (3 cr)
FREN 3260—Dramas of Culture: 20th-Century French and Francophone Theater (3 cr)
FREN 3310—Literature of Revolution and Upheaval (3 cr)
FREN 3321—Producing the Bourgeois Subject: The Sense of Self in 18th-Century French Literature (3 cr)
FREN 3330—Literature and the Making of Modern France: 20th-Century Perspectives (3 cr)
FREN 3340—Topics in Modern French Literature (3 cr)
FREN 3350—Topics in Literature (3 cr)
FREN 3360—Coming of Age (3 cr)
FREN 3371—Writing Crisis in (Post) Modern Times (3 cr)
FREN 3380—Modern Times: Literature of the 19th and 20th Centuries (3 cr)
FREN 3410—Quebecois Literature (3 cr)
FREN 3451—North African Cinema (3 cr)
FREN 3479—Francophone Writers of the African Diaspora (3 cr)
FREN 3520—Promenades Poetiques: The Subject in Motion (3 cr)
FREN 3526—The Returns of Tragedy (3 cr)
FREN 5270—“To Change or not to Change?”: Speculations on (Post) Modern French Texts (3 cr)
FREN 5350—Topics in Literature and Culture (3 cr)
FREN 5470—Post/Colonial Francophone Literatures (3 cr)
FREN 5601—French Civilization and Culture I (3 cr)
FREN 5602—French Civilization and Culture II (3 cr)
FREN 5611—Courts, Patrons, and the Construction of Culture in the Twelfth Century (3 cr)
FREN 5650—Topics in French/Francophone Cultures (3 cr)
FREN 5671—Theaters of Pain: Violence and the Spectacular in Premodern France (3 cr)

Electives
FREN 5010 is repeatable for a total of nine credits. LING 3001 is a prerequisite for most French linguistics courses. Elective credits may not include FREN 3705, 3706, 3710, 3750, or 3019.

Take 15 or more credit(s) from the following:
FREN 3xxx
FREN 4xxx
FREN 5xx

Senior Project
Students design substantial research project on topic of their choice in French and Francophone studies (linguistics, literature, culture). Topic must be approved by instructor, and written in consultation with instructor and appropriate department faculty members. French majors who complete the requirements for another CLA major (including senior paper) are not required to take FREN 4101W, and must substitute 3 credits in advanced FREN electives numbering 3111 or above for FREN 4101W.

FREN 4101W—Seminar in French Studies, WI (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

French Studies Minor
- Required credits in this minor: 15 to 16.

The French studies minor includes courses in three areas of concentration: language, literature, and culture.

Minor Requirements
Students are required to take 4 semester(s) of French.

At least two upper division courses must be completed in the French department at the University of Minnesota, Twin Cities.

Minor Courses
FREN 3015—Advanced French Grammar and Communication (3 cr)
FREN 3101W—Introduction to French Literature, LITR, WI (4 cr)
Take 3 or more course(s) from the following:
FREN 3xxx
FREN 4xxx
FREN 5xxx
Information listed in this catalog is current as of April 2010. For up-to-date information, visit www.catalogs.umn.edu.

College of Liberal Arts

French and Italian Studies B.A.

French and Italian

- Required credits to graduate with this degree: 120.
- Required credits within the major: 36.

The French and Italian studies 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 formally declare a major within the department before completing the majority of the major elective requirements.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of French and Italian.

Preparatory Courses

- FREN 1001—Beginning French (5 cr)
- FREN 1002—Beginning French (5 cr)
- FREN 1003—Intermediate French (5 cr)
- FREN 1004—Intermediate French (5 cr)
- ITAL 1001—Beginning Italian (5 cr)
- ITAL 1002—Beginning Italian (5 cr)
- ITAL 1003—Intermediate Italian (5 cr)
- ITAL 1004—Intermediate Italian (5 cr)

Upper Division Language Courses

- FREN 3015—Advanced French Grammar and Communication (3 cr)
- ITAL 3015—Reading, Conversation, and Composition (4 cr)

Literature and Culture Courses

- FREN 3101W—Introduction to French Literature, LITR, WI (4 cr)
  Take 6 or more credit(s) from the following:
  - FREN 3xx
  - FREN 4xx
  - FREN 5xx
  Take 9 or more credit(s) from the following:
  - ITAL 3xx
  - ITAL 4xx
  - ITAL 5xx
  - Fрит 5999 may not be used to satisfy this requirement.
  Take 6 or more credit(s) from the following:
  - Fрит 3xx
  - Fрит 4xx
  - Fрит 5xx

Senior Project

The senior project is completed in FREN 4101, or in ITAL 3459W and an appropriate Italian course selected in consultation with an adviser.

- FREN 4101W—Seminar in French Studies, WI (3 cr)

Program Sub-plans

- A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Gay, Lesbian, Bisexual, Transgender Minor

Gender, Women and Sexuality Studies

This is a free-standing minor.

- Required credits in this minor: 18.

The minor focuses on the history, politics, and cultures of gay, lesbian, bisexual, and transgendered persons. Courses explore the diversity of GLBT communities, the history and present conditions of sexual identity formation, and the functioning and institutionalization of ideologies of sexuality in a democratic society. Core courses focus on issues related to the history, culture, social, and political formations; experiences of GLBT people; and GLBT/queer theory. Elective courses are drawn from lists of GLBT-focused courses (emphasizing GLBT issues/experiences) and of GLBT-component courses (having at least one-quarter of their content related to GLBT/queer theory or the history, culture, social, political formations, and experiences of GLBT people).

Minor Requirements

Minor Courses

- GLBT 1001—Introduction to GLBT Studies, DSJ (3 cr)
- GLBT 3301—Gay, Lesbian, Bisexual, and Transgender Social Movements in the United States (3 cr)
- CSCL 3456W—Sexuality and Culture, DSJ, WI (3 cr)
  or GWSS 3404—Transnational Sexualities, GP (3 cr)
  or GWSS 4403—Queering Theory (3 cr)
  or CSCL 3472—Gay Men and Homophobia in American Culture, DSJ (3 cr)
  or GLBT 3472—Gay Men and Homophobia in American Culture (3 cr)

Electives

Other courses may be used to meet this requirement with permission from the department. SOC 4090 meets the requirement only if the topic is sociology of sexuality.

Take 3 or more course(s) from the following:

- AMST 4101—Gender, Sexuality, and Politics in America, HIS, DSJ (3 cr)
- ENGL 3330—Gay, Lesbian, Bisexual, and Transgendered Literature (3 cr)
- FSOS 4152—Gay, Lesbian, and Bisexual People in Families (3 cr)
- GLBT 3610—Topics in GLBT Studies (2–4 cr)
- HIST 3212—Dissident Sexualities in U.S. History (3 cr)
- SOC 4090—Topics in Sociology (3 cr)
- SOC 4521—Love, Sex, and Marriage (3 cr)
Gender, Women and Sexuality Studies B.A.

Gender, Women and Sexuality Studies

• Required credits to graduate with this degree: 120.
• Required credits within the major: 36.

Gender, women, and sexuality studies offers an interdisciplinary curriculum that looks at issues of gender and sexuality in the United States and around the world, taking into account the intersections and interrelations of generation, economic status, race, geographic location, and other social and historical variables. Gender, women, and sexuality studies also seeks to transform traditional fields of study by incorporating new data, methods, theories, and frameworks developed by feminist scholars.

In addition to the faculty in gender, women, and sexuality studies, several departments and centers lend their interdisciplinary teaching and advisory expertise. Among these are the Departments of African American and African Studies; American Studies; American Indian Studies; Anthropology, Chicano Studies; Communication Studies; Comparative Studies in Discourse and Society; English; French and Italian; German, Scandinavian, and Dutch; History; Philosophy; Sociology; and Spanish and Portuguese. Affiliated programs include the School of Nursing; the Hubert H. Humphrey Institute of Public Affairs’ Center on Women and Public Policy; the Institute for Global Studies; the Interdisciplinary Program on Global Change, Sustainability, and Justice; Minnesota Institute for Sustainable Agriculture; and the Tucker Center for Research on Girls and Women in Sport.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Students must complete 27-30 credits of required courses plus upper level electives as needed to reach 36 credits.

Major Courses

Courses in this list may not be used to fulfill the cultural pluralism, international studies, and advanced theory requirements. Courses cannot fulfill requirements for more than one category.

Take four courses from the following list.

GWSS 1001—Gender, Power, and Everyday Life (3 cr)
or GWSS 1002—Politics of Sex, SOCS, DSJ (3 cr)
and GWSS 3102W—Feminist Thought and Theory, AH, CIV, W1 (3 cr)
and GWSS 4402—Rebels, Radicals, and Revolutionaries: History of Western Feminisms (3 cr)
and GWSS 1003W—Women Write the World, W1 (3 cr)
(or GWSS 3002—Gender, Race, and Class: Women’s Lives in the United States (3 cr)
or GWSS 3003—Gender and Global Politics, SOCS, GP (3 cr)
or GWSS 3004W—Point/Counterpoint: Contemporary Feminist Debates, CIV, W1 (3 cr)

Cultural Pluralism, International Studies, and Advanced Theory

Take one course from each category. Students should consult their departmental adviser if they wish to request any exceptions to major requirements, which must be done by petition and with departmental approval. Courses cannot fulfill requirements for more than one category. Notations following the course titles indicate which liberal education requirements that course may fulfill.

Cultural Pluralism

GWSS 3203W—Blood, Bodies and Science, TS, SOCS, WI (3 cr)
or GWSS 3303W—Writing Differences: Literature by U.S. Women of Color, LITR, DSJ, W1 (3 cr)
or GWSS 3403W—Jewish Women in the United States, WI (3 cr)
or GWSS 3409W—Asian American Women’s Cultural Production, AH, DSJ, W1 (3 cr)
or GWSS 3410—La Chicana (3 cr)
or GWSS 3412—American Indian Women: Ethnographic and Ethnohistorical Perspectives, DSJ, HIS (3 cr)
or GWSS 4401—Chicana/Latina Cultural Studies, AH, DSJ (3 cr)
or GWSS 5403—Chicana/Latina Feminisms (3 cr)
or GWSS 5405—Chicanas: Women and Work (3 cr)

International Studies

GWSS 3003—Gender and Global Politics, SOCS, GP (3 cr)
or GWSS 3404—Transnational Sexualities, GP (3 cr)

Advanced Theory

GWSS 4103H—Transnational Feminist Theories, H (3 cr)
or GWSS 4401—Chicana/Latina Cultural Studies, AH, DSJ (3 cr)
or GWSS 4403—Queering Theory (3 cr)
or GWSS 5101—Feminist Approaches to Ethnography (3 cr)
or GWSS 5102—Feminist Approaches to History (3 cr)
or GWSS 5103—Feminist Pedagogies (3 cr)
or GWSS 5201—Global Processes and the Politics of Sexuality (3 cr)
or GWSS 5300—Communication and Gender (3 cr)
or GWSS 5403—Chicana/Latina Feminisms (3 cr)

Electives

Take 6–9 credit(s) from the following:

GWSS 3xxx
GWSS 4xxx
GWSS 5xxx

Senior Project

The GWSS senior project has two components. Students complete two 4xxx–5xxx GWSS courses. In one of these courses, students complete a department-approved senior project. Students must receive instructor approval and complete a senior project contract prior to completing a senior project in the instructor’s course.

GWSS 4xxx
GWSS 5xxx

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.
Gender, Women and Sexuality Studies Minor

- Required credits in this minor: 18.

Gender, women, and sexuality studies offers an interdisciplinary curriculum that looks at issues of gender and sexuality in the United States and around the world, taking into account the intersections and interrelations of generation, economic status, race, geographic location, and other social and historical variables. Gender, women, and sexuality studies also seeks to transform traditional fields of study by incorporating new data, methods, theories, and frameworks developed by feminist scholars.

Minor Requirements

Minor Courses
Not more than one of the elective 3xxx-5xxx courses may be used from GWSS 3002, 3003, and 3004.
GWSS 1001—Gender, Power, and Everyday Life, CD, DSCI (3 cr)
or GWSS 1002—Politics of Sex, CD, DSCI (3 cr)
Take 15 or more credits from the following:
GWSS 3xxx
GWSS 4xxx
GWSS 5xxx

Geographic Information Science Minor

Geography
This is a free-standing minor.
- Required credits in this minor: 16.

The interdisciplinary undergraduate minor in geographic information science gives undergraduate students the opportunity to focus on geographical information science, which examines geospatial technologies and their underlying principles, applications, and societal dimensions. Examples of geospatial technologies and research include internet mapping, in-vehicle navigation systems, digital cartography, imagery taken by airplanes and satellites, spatial analysis and modeling of social and natural processes, and visualization and data mining of complex information.

Minor Requirements

No more than two courses used for the minor may be used to fulfill the requirements of another degree program.

Several of the courses for the minor have prerequisites that must be satisfied. Admission to the minor does not imply automatic enrollment in individual courses.

Core Courses
GWG 5563—Advanced Geographic Information Science (3 cr)
GWG 5561—Principles of Geographic Information Science (4 cr)
or FR 3131—Geographical Information Systems (GIS) for Natural Resources, TS (4 cr)

Electives
No more than two courses with the same designator may be used to fulfill the requirement.
Take 3 or more course(s) totaling 9 or more credit(s) from the following:
HSG 5464—Understanding Housing: Assessment and Analysis (3 cr)
ESPM 4295—GIS in Environmental Science and Management, WI (4 cr)
FR 3262—Remote Sensing of Natural Resources and Environment (4 cr)
FR 5412—Digital Remote Sensing (3 cr)
GIS 5571—ArcGIS I (3 cr)
GIS 5572—ArcGIS II (3 cr)
SOIL 4111—Introduction to Precision Agriculture (3 cr)
Take no more than 2 course(s) from the following:
CSCI 4041—Algorithms and Data Structures (4 cr)
CSCI 4107—Introduction to Computer Graphics Programming (3 cr)
CSCI 4707—Practice of Database Systems (3 cr)
CSCI 5115—User Interface Design, Implementation and Evaluation (3 cr)
Take no more than 2 course(s) from the following:
GWG 5571—Principles of Cartography (4 cr)
GWG 5531—Numerical Spatial Analysis (4 cr)
GWG 5564—Urban Geographic Information Science and Analysis (3 cr)
GWG 5565—Geographical Analysis of Human-Environment Systems (3 cr)

Geography B.A.

Geography
- Required credits to graduate with this degree: 120.
- Required credits within the major: 35.

The geography major offers integrated study of a globalized world, as made by human and non-human forces alike. The major synthesizes approaches in the humanities and the social, biophysical, and information sciences to study social, political, economic, and ecological processes and, especially, the role of space, place, and geographic networks in shaping them. Geography attempts to interpret how these phenomena are perceived and what meanings they hold. Geographers offer insight into pressing challenges of the day, from climate change and social-environmental justice, to the uneven effects of globalization and urban transformation, to the skillful and responsible use of geographic information.

Depending on their specific interests, geographers employ one or more of a variety of research techniques, including field observation, legal and archival analysis, participant observation, interviewing, textual analysis, ethnography, mapping, and spatial statistics and modeling.

Many geographers are interested in the intersections of science, technology, and information, such as the impact of geographic information science (GISci) on decision-making.

Geography majors have an opportunity to specialize in one of several study tracks, or sub-plans, offered by the department. They may also craft a course of individualized study. The sub-plans include environmental geography, geographic information science, globalization and uneven development, the urban world, and environment and society. Descriptions can be found under Sub-plan Requirements.

There are a variety of opportunities for graduates having degrees in geography. Governmental agencies of the federal, state, regional, and local levels of government seek geographers for city and regional planning, park service, law enforcement, and transportation department positions. Private industry consulting, environmental and marketing firms, and local, national and transnational organizations, NGO’s, and the nonprofit sector also seek geographic skills. Many geography undergraduate majors obtain careers in education and many go on to graduate school.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.
Program Requirements

Students are required to take 4 semester(s) of any second language.

Special Policies on Counting Courses:
1. “Double dipping” for double or triple majors that include geography courses: in some cases, geography courses fulfill requirements of other programs. In such cases, geography majors may apply up to three geography courses toward meeting requirements of their declared double/triple major.
2. 1xxx preparatory geography courses: the breadth requirement may not be fulfilled with 1xxx courses. A maximum of one 1xxx course may count toward the major, typically as part of the 15 credits of specialty courses in a chosen sub-plan.
3. Cross-listed 3xxx/5xxx courses: qualifying students may substitute a 5xxx course for a 3xxx course with which it is cross-listed.

Preparatory Courses

Preparatory courses in geography introduce students to most of the exciting themes and topics in the geography major. These courses are not required for the major. Only one preparatory course may count toward the total number of credits required for the major. See note on 1xxx courses above. Take 0 or more course(s) from the following:

- GEOG 1301—Our Globalizing World, SOCS, GP, WI (4 cr)
- GEOG 1301V—Honors: Our Globalizing World, WI, H (4 cr)
- GEOG 1372—Geography of Global Cities, SOCS, GP (3 cr)
- GEOG 1403—Biogeography of the Global Garden, BIOL, ENV (4 cr)
- GEOG 1403H—Honors: Biogeography of the Global Garden, H (4 cr)
- GEOG 1425—Introduction to Meteorology, PHYS, ENV (4 cr)
- GEOG 1502—Mapping Our World (3 cr)
- GEOG 1904—Freshman Seminar (3 cr)
- GEOG 1502—Mapping Our World (3 cr)
- GEOG 1904—Freshman Seminar (3 cr)

Breadth Requirement

Take 4 or more course(s) from the following:

- GEOG 3371W—Cities, Citizens, and Communities, DSJ, WI (4 cr)
- or GEOG 3373—Changing Form of the City, HIS, GP (3 cr)
- GEOG 3401—Geography of Environmental Systems and Global Change, ENV (4 cr)
- GEOG 3511—Principles of Cartography (4 cr)
- or GEOG 3511—Principles of Geographic Information Science (4 cr)
- or GEOG 3511—Principles of Geographic Information Science (4 cr)
- or GEOG 3531—Numerical Spatial Analysis (4 cr)
- or GEOG 3331—Geography of the World Economy, SOCS, GP (3 cr)
- or GEOG 3331—Geography of the World Economy, SOCS, GP (3 cr)
- or GEOG 3361W—Geography and Public Policy, WI (3 cr)
- or GEOG 3371W—Cities, Citizens, and Communities, DSJ, WI (4 cr)
- or GEOG 3373—Changing Form of the City, HIS, GP (3 cr)
- or GEOG 3377—Music in the City: Sounds and Bodies in Different Places, DSJ (3 cr)
- or GEOG 3564—Urban Geographic Information Science and Analysis (3 cr)
- or GEOG 3605W—Geographical Perspectives on Planning, WI (4 cr)
- or GEOG 3973—Changing Form of the City, HIS, GP, WI (4 cr)
- or GEOG 3973—Changing Form of the City, HIS, GP, WI (4 cr)
- or GEOG 3977—Urban Geographic Information Science and Analysis (3 cr)
- or GEOG 3977—Urban Geographic Information Science and Analysis (3 cr)
- or URBS 3301W—American Cities As Settings for Cultural Diversity, WI (3 cr)
- or URBS 3301W—American Cities As Settings for Cultural Diversity, WI (3 cr)
- or URBS 3351—Understanding the Urban Environment, ENV (3 cr)
- or URBS 3371—Fundamentals of Transit (3 cr)
- or URBS 3871—A Suburban World (3 cr)

Ways of Knowing Requirement

GEOG 4001—Modes of Geographic Inquiry (4 cr)
- or GEOG 4002W—Environmental Thought and Practice, WI (3 cr)

Senior Project Requirement

Students should take 2–4 credits
- GEOG 3985V—Honors Senior Project Seminar, WI, H (4 cr)
- or GEOG 3999—Directed Research (1–8 cr)
- or The final project requirement may be fulfilled with 2 additional credits added to a geography major course.
- or GEOG 4700—Community Service Learning (1–3 cr)
- and GEOG 4121W—Latin America, WI (4 cr)
- or GEOG 3411W—Geography of Health and Health Care, WI (4 cr)

Program Sub-plans

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

The Urban World Sub-plan

The 21st century is urban, with more than half the world’s population living in cities. Throughout history, cities have been places of intense human activity, interaction, innovation, and struggle. This track offers study in the history of cities and urban planning and the many processes by which cities and suburbs are made: governmental and community planning, migration, social movements, capital investment and disinvestment, artistic and cultural production, local and global interconnectedness, planned and unplanned settlement, transportation infrastructures, ecological change and its social impacts. More people live in cities than at any other time in history: find out why this matters.

Breadth requirement “gateway” course for this track: GEOG 3371W or GEOG 3373 (must petition adviser). Students may use courses not taken for the breadth requirement to fulfill sub-plan requirements. Students may not use a single course to fulfill both a breadth and a sub-plan requirement.

Students must take five courses in this sub-plan, totaling at least 15 credits.

A maximum of one 1xxx course may count toward the major, typically as part of the 15 credits of specialty courses in a chosen sub-plan.

Required Courses for the sub-plan

Take 5 or more course(s) from the following:

- GEOG 3361W—Geography and Public Policy, WI (3 cr)
- GEOG 3371W—Cities, Citizens, and Communities, DSJ, WI (4 cr)
- GEOG 3373—Changing Form of the City, HIS, GP (3 cr)
- GEOG 3377—Music in the City: Sounds and Bodies in Different Places, DSJ (3 cr)
- GEOG 3564—Urban Geographic Information Science and Analysis (3 cr)
- or URBS 3301W—American Cities As Settings for Cultural Diversity, WI (3 cr)
- or URBS 3351—Understanding the Urban Environment, ENV (3 cr)
- or URBS 3371—Fundamentals of Transit (3 cr)
- or URBS 3871—A Suburban World (3 cr)

Environmental Geography Sub-plan

Environmental geography is the study of patterns and processes in the natural world. Environmental patterns include the distribution of forests and prairies, the courses of rivers and extent of their floods, and the tracks of hurricanes and tornadoes. The processes that shape these patterns range from forest fires to erosion to cloud formation. Such phenomena must be understood to help us manage natural resources, mediate risks and hazards, and conserve valued places and species. The challenges faced by our society—mitigating the effects of climate change, maintaining water supplies, and securing energy, can only be addressed with a deep understanding of the geography of the environment.

Breadth requirement “gateway” course for this track: GEOG 3401 or GEOG 3431 (must petition adviser). Students may use courses not taken for the breadth requirement to fulfill sub-plan
requirements. Students may not use a single course to fulfill both a breadth and a sub-plan requirement.

Students must take five courses in this sub-plan, totaling at least 15 credits.

A maximum of one 1xxx course may count toward the major, typically as part of the 15 credits of specialty courses in a chosen sub-plan.

**Required Courses for the Sub-plan**

**Take 5 or more course(s) from the following:**

- GEOG 3361W — Geography and Public Policy, WI (3 cr)
- GEOG 3401 — Geography of Environmental Systems and Global Change, ENV (4 cr)
- GEOG 3431 — Plant and Animal Geography, ENVT (3 cr)
- GEOG 3441 — Quaternary Landscape Evolution (3 cr)
- GEOG 5393 — Rural Landscapes and Environments (4 cr)
- GEOG 5421 — Introduction to Atmospheric Science (3 cr)
- GEOG 5423 — Climate Models and Modeling (3 cr)
- GEOG 5426 — Climatic Variations (3 cr)
- GEOG 5565 — Geographical Analysis of Human-Environment Systems (3 cr)
- URBS 3751 — Understanding the Urban Environment, ENV (3 cr)
- GEOG 3531 — Numerical Spatial Analysis (4 cr)
- or GEOG 5531 — Numerical Spatial Analysis (4 cr)

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Globalization and Uneven Development Sub-plan**

This track focuses on a key concern of our time: increasing global connectivity coupled with persistent inequality. Through coursework studying the world economy and population, land use, land cover, and climate change, uneven development in the global north and south, and interacting systems of belief, students gain knowledge of an interconnected but continually differentiated world. Does globalization promise a future of fair and open access to resources and markets? Will it ensure the global spread of democracy? Are “global” problems, from climate change to water quality to energy resources, truly global? These are some of the important questions students take up in this study track.

Breadth requirement “gateway” course for this track: GEOG 3331 or GEOG 3381W (must petition adviser). Students may use courses not taken for the breadth requirement to fulfill sub-plan requirements. Students may not use a single course to fulfill both a breadth and a sub-plan requirement.

Students must take five courses in this sub-plan, totaling at least 15 credits.

A maximum of one 1xxx course may count toward the major, typically as part of the 15 credits of specialty courses in a chosen sub-plan.

**Required Courses for the Sub-plan**

**Take 5 or more course(s) from the following:**

- GEOG 3411 — Africa (3 cr)
- GEOG 3451 — The Islamic World, SOCS, GP (3 cr)
- GEOG 3455 — Europe: A Geographic Perspective (3 cr)
- GEOG 3481 — Russia and Environments (3 cr)
- GEOG 3211 — East Asia (3 cr)
- GEOG 3212 — Producing India (3 cr)
- GEOG 3331 — Geography of the World Economy, SOCS, GP (3 cr)
- GEOG 3378 — The Third World: Development, poverty, possibility (3 cr)
- GEOG 3379 — Environment and Development in the Third World, SOCS, ENV (3 cr)
- GEOG 3381W — Population in an Interacting World, SOCS, GP, WI (4 cr)
- GEOG 4121W — Latin America, WI (4 cr)
- GEOG 4382 — Contemporary Immigrant America (3–5 cr)
- GEOG 5385 — Globalization and Development: Political Economy (4 cr)

**Environment and Society Sub-plan**

**Note:** This sub-plan is optional and does not fulfill the sub-plan requirement for this program.

This track is a multifaceted curriculum focusing simultaneously on the social transformation of the natural world and the inescapably more-than-human world in which human beings live. Through coursework in this track students learn about important issues standing at the intersection of ecology and politics and that demand a geographical understanding. These include environmental sustainability and prospects for a “greener” society, uneven resource consumption between rich and poor, environmental hazards, risks, and regulation, global land-use and climate change, the emergence of distinctive cultural landscapes, deep-seat cultural discourses regarding “nature” and “society” and more.

Breadth requirement “gateway” course for this track: GEOG 3379 or GEOG 3361W. Students may use courses not taken for the breadth requirement to fulfill sub-plan requirements. Students may not use a single course to fulfill both a breadth and a sub-plan requirement.

Students must take five courses in this sub-plan, totaling at least 15 credits.

A maximum of one 1xxx course may count toward the major, typically as part of the 15 credits of specialty courses in a chosen sub-plan.

**Required Courses for the Sub-plan**

**Take 5 or more course(s) from the following:**

- GEOG 3301 — Geography of the United States and Canada (4 cr)
- GEOG 3311 — Geography of Minnesota (3 cr)
- GEOG 3361W — Geography and Public Policy, WI (3 cr)
- GEOG 3376 — Political Ecology of North America, ENV (3 cr)
- GEOG 3378 — The Third World: Development, poverty, possibility (3 cr)
- GEOG 3379 — Environment and Development in the Third World, SOCS, ENV (3 cr)
- GEOG 3381W — Population in an Interacting World, SOCS, GP, WI (4 cr)
- GEOG 3401 — Geography of Environmental Systems and Global Change, ENV (4 cr)
- GEOG 3411W — Geography of Health and Health Care, WI (4 cr)
- GEOG 3561 — Principles of Geographic Information Science (4 cr)
- GEOG 4121W — Latin America, WI (4 cr)
- GEOG 5391 — Rural Landscapes and Environments (4 cr)
- GEOG 5423 — Climate Models and Modeling (3 cr)
- GEOG 5426 — Climatic Variations (3 cr)
- GEOG 5565 — Geographical Analysis of Human-Environment Systems (3 cr)
- URBS 3751 — Understanding the Urban Environment, ENV (3 cr)
- GEOG 3401 — Geography of Environmental Systems and Global Change, ENV (4 cr)
- or GEOG 5401 — Geography of Environmental Systems and Global Change (4 cr)
Geography B.S.

Geography
• Required credits to graduate with this degree: 120.
• Required credits within the major: 38.

Geography is an academic and practical field that studies the manner in which human-made places and natural systems interact and change. Geographers study these interactions at all scales: neighborhoods and cities; regions and nations; single or multiple biological systems, and even the world as a whole. Geography attempts to explain not only these interactions and changes, but in many instances how they are perceived and what meanings they hold.

Geographic Information Science Sub-plan
This track concerns the theory and skills involved in collecting, storing, manipulating, analyzing, and visualizing spatial data. It includes geographic information science, geographic information systems, cartography, remote sensing, spatial analysis, and numerical modeling. It also explores the relationship between society and GIS/GISci: Where does geographic information come from? How can society make use of such information? This track exposes students to GIS/GISci and cartography applications, including land use and land cover change, environmental justice, transportation improvements, urban, regional and environmental planning, resource conservation, and society-technology relations.

Breadth requirement “gateway” course for this track: GEOG 3511 or GEOG 3531 or GEOG 3561. Students may use courses not taken for the breadth requirement to fulfill sub-plan requirements. Students may not use a single course to fulfill both a breadth and a sub-plan requirement.

Students must take five courses in this sub-plan, totaling at least 15 credits. A maximum of one 1xxx course may count toward the major, typically as part of the 15 credits of specialty courses in a chosen sub-plan.

Required Courses for the Sub-plan
Take 5 or more course(s) from the following:
- GEOG 3511—Principles of Cartography (4 cr)
- GEOG 3531—Numerical Spatial Analysis (4 cr)
- GEOG 3561—Principles of Geographic Information Science (4 cr)
- GEOG 5512—Cartography: Topics (3 cr)
- GEOG 5530—Cartography Internship (2–7 cr)
- GEOG 5562—Geographic Information Science and Analytical Cartography (3 cr)
- GEOG 5563—Advanced Geographic Information Science (3 cr)
- GEOG 5564—Urban Geographic Information Science and Analysis (3 cr)
- GEOG 5565—Geographical Analysis of Human-Environment Systems (3 cr)
- GEOG 5588—Multimedia Cartography (3 cr)
- GIS 5555—Basic Spatial Analysis (3 cr)
- GIS 5571—ArcGIS I (3 cr)
- GIS 5572—ArcGIS II (3 cr)
- GIS 5573—Desktop Mapping (1.5 cr)
- GIS 5574—GIS and the Internet (1.5 cr)
- GIS 5575—Surveying and the Global Positioning System (GPS) (2 cr)
- GIS 5578—GIS Programming (3 cr)

Depending on their specific interests, geographers will employ one or more of a variety of methods and techniques: fieldwork, mapping, conventional narrative, ethnography, spatial statistics and modeling, and textual analysis. Many geographers are also interested in the intersections of science, technology, and information, such as the impact of geographic information systems (GIS) on decision making. Geography’s integrative perspective on regional and global change provides students with unparalleled understanding of today’s complex world.

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

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Major Courses
GEOG 3401—Geography of Environmental Systems and Global Change, ENV (4 cr)
GEOG 3561—Principles of Geographic Information Science (4 cr)
GEOG 1301W—Our Globalizing World, SOCS, GP, WI (4 cr)
or GEOG 3371W—Cities, Citizens, and Communities, DSJ, WI (4 cr)
GEOG 4001—Modes of Geographic Inquiry (4 cr)
or GEOG 4002W—Environmental Thought and Practice, WI (3 cr)

Quantitative Courses
Take one of the following pairs of courses:
CSCI 1107—FORTRAN Programming (1–3 cr)
CSCI 1113—Introduction to C/C++ Programming for Scientists and Engineers (4 cr)
or MATH 1271—Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
or MATH 1371—IT Calculus I (4 cr)
MATH 1372—IT Calculus II (4 cr)
or STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
STAT 3022—Data Analysis (4 cr)

Senior Project (minimum 2 credits)
GEOG 3985W—Senior Project Seminar, WI (4 cr)
or The final project requirement may be fulfilled with additional credits added to a geography major course.
or GEOG 3994—Directed Research (1–8 cr)
or GEOG 4700—Community Service Learning (1–3 cr)
and GEOG 4121W—Latin America, WI (4 cr)
or GEOG 3411W—Geography of Health and Health Care, WI (4 cr)

Program Sub-plans
Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

Environmental Systems Sub-plan
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. Students must complete four to five courses in this track, for a minimum of 15 credits.
Geography Minor

• Required credits in this minor: 14.

Geography is an academic and practical field that studies the manner in which human-made places and natural systems interact and change. Geographers study these interactions at all scales: neighborhoods and cities; regions and nations; single or multiple biophysical systems, and even the world as a whole.

Minor Requirements

Minor courses must be completed with a grade of at least C-.

Minor Courses

Take 14 or more credit(s) from the following:

- GEOG 3xxx
- GEOG 4xxx
- GEOG 5xxx

Geology B.A.

Geology and Geophysics

• Required credits to graduate with this degree: 120.
• Required credits within the major: 41.

This program requires summer terms.

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, 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.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Mathematics

Take one of the calculus sequences (two courses), or the honors sequence (two courses).

- MATH 1271—Calculus I (4 cr)
- MATH 1272—Calculus II (4 cr)
- MATH 1371—IT Calculus I (4 cr)
- MATH 1372—IT Calculus II (4 cr)
- or MATH 1571H—Honors Calculus I, H (4 cr)
- MATH 1572H—Honors Calculus II, H (4 cr)
Physics
PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, WI (4 cr)
or PHYS 1401V—Honors Physics I, PHYS, WI, H (4 cr)
PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (4 cr)
or PHYS 1402V—Honors Physics II, PHYS, WI, H (4 cr)

Chemistry
CHEM 1021—Chemical Principles I, PHYS (4 cr)
or CHEM 1031H—Honors Chemistry I, H (4 cr)
CHEM 1022—Chemical Principles II, PHYS (4 cr)
or CHEM 1032H—Honors Chemistry II, H (4 cr)

Major Courses
GEO 2201—Solid Earth Dynamics (4 cr)
GEO 2301—Mineralogy (3 cr)
GEO 2302—Petrology (3 cr)
GEO 3303W—Geochemical Principles, WI (4 cr)
GEO 3202—Geodynamics II: The Fluid Earth (3 cr)
GEO 3401—Geochronology and Earth History (3 cr)
GEO 3911—Introductory Field Geology (4 cr)
GEO 4501—Structural Geology (3 cr)
GEO 4602—Sedimentology and Stratigraphy (3 cr)
GEO 4631W—Earth Systems: Geosphere/Biosphere Interactions, WI (3 cr)

Workshop Courses
Take 2 or more course(s) from the following:
GEO 3870—Modeling Workshop (1 cr)
GEO 3880—Laboratory Workshop (1 cr)
GEO 3890—Field Workshop (1 cr)

Field Course
GEO 4911—Advanced Field Geology (4 cr)
or GEO 4971W—Field Hydrogeology, WI (4 cr)

Electives
Take 4 or more credit(s) from the following:
GEO 1xxx
GEO 2xxx
GEO 3xxx
GEO 4xxx
GEO 5xxx

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Geology Minor

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.

Minor Requirements

Minor Courses
GEO 1001—Earth and Its Environments, ENVT, PHYS SCI/L (4 cr)
Take 14 or more credit(s) from the following:
GEO 2xxx
GEO 3xxx
GEO 4xxx
GEO 5xxx

German Studies B.A.

German, Scandinavian, and Dutch

• Required credits in this minor: 18.
• Required credits to graduate with this degree: 120.
• Required credits within the major: 32.

The major in German studies includes the study of the spoken language, as well as the literature, philology, and culture of Germany, Austria, and Switzerland. The department also offers a major and minors in Scandinavian languages, a minor in Dutch, and a minor in Austrian and Central European studies.

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 studies major or a German minor. The University is affiliated with exchange programs in Berlin and Freiburg for both one- and two-semester stays. There are also possibilities for study at many other German, Austrian, and Swiss universities. Visit the Learning Abroad Center website at www.UMabroad.umn.edu for more information.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of German.

The major in German studies consists of a minimum of 32 credits in 3xxx, 4xxx, and 5xxx courses. All courses in the major must be taken A-F and completed with a C- or better. At least two courses must be taken in the German program at the University of Minnesota. The major program must be approved by the director of undergraduate studies.

Major Core Courses
GER 3011W—Conversation and Composition, WI (4 cr)
GER 3104W—Reading and Analysis of German Literature, LITR, WI (4 cr)
GER 3511W—German Civilization and Culture: Middle Ages to 1700, WI (3 cr)
GER 3512W—German Civilization and Culture: 1700 to the Present, WI (3 cr)

Major Project
The major project is a substantial paper of approximately 20 typed pages. The paper is prepared in the Major Project Seminar (GSD 3451W or 3451V) with the guidance and supervision of a faculty member.

Please note: This seminar is offered fall semester only.
GSD 3451W—Major Project Seminar, WI (3 cr)
or GSD 3451V—Honors Major Project Seminar, WI, H (3 cr)
Information listed in this catalog is current as of April 2010. For up-to-date information, visit www.catalogs.umn.edu.

**Emphasis Areas**

Students are required to complete one of the following course groups.

**Literature, Culture, and Society Emphasis**

Up to two courses in this emphasis may be GER 36xx, 46xx, 56xx courses if substantial work in German is done by the student, as directed by the instructors of the courses or by the director of undergraduate studies. One elective can be a course outside the German department, as long as the course includes sufficient coverage of German-speaking areas.

*Take 15 or more credit(s) from the following:*
- GER 3xx
- GER 4xxx
- GER 5xxx

**Linguistics and Philology Emphasis**

*Take 5 or more course(s) from the following:*

- LING 3001—Introduction to Linguistics (4 cr)
- LING 3001H—Honors: Introduction to Linguistics, H (4 cr)
- LING 3601—Historical Linguistics (3 cr)
- LING 5001—Introduction to Linguistics (4 cr)
- LING 5601—Historical Linguistics (3 cr)

*Take 4 or more course(s) from the following:*

- GER 3701—History of the German Language (3 cr)
- GER 3702—Beginning Middle High German (3 cr)
- GER 3704—German Dialects (3 cr)
- GER 5711—History of the German Language I (3 cr)
- GER 5712—History of the German Language II (3 cr)
- GER 5722—Middle High German: Advanced Readings (3 cr)
- GER 5731—Old High German I (3 cr)
- GER 5732—Old High German II (3 cr)
- GER 5734—Old Saxon (3 cr)
- GER 5740—Readings in Philology (3 cr)

**Program Sub-plans**

A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**German Minor**

**German, Scandinavian, and Dutch**

- Required credits in this minor: 17.

The minor in German includes the study of the spoken language, as well as the literature, philology, and culture of Germany, Austria, and Switzerland.

**Minor Requirements**

Students are required to take 4 semester(s) of German.

The minor consists of a minimum of 17 credits with no more than one course taken as directed or independent study. All courses must be taken A-F and completed with a grade of C- or better. One 36xx, 46xx, or 56xx course may be used for the minor if substantial work is done in German, as approved by the instructor of the course and by the director of undergraduate studies. At least one course must be taken from the German program at the University of Minnesota, Twin Cities. The minor program must be approved by the director of undergraduate studies.

**Minor Core**

- GER 301W—Conversation and Composition, WI (4 cr)
- GER 310W—Reading and Analysis of German Literature, LIT, WI (4 cr)

*Take 9 or more credit(s) from the following:*
- GER 3xxx
- GER 4xxx
- GER 5xxx

**Global Studies B.A.**

**Institute for Global Studies**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 35.

This program offers students the opportunity to study the interrelated processes shaping today’s increasingly interdependent world. Students examine political, economic, cultural, and social processes of local communities, nation states, transnational businesses, and social movements around the globe. The program requires students to integrate theoretical knowledge about broad global processes with regionally focused detailed knowledge of social and cultural systems and language. Students complete a common set of core courses providing a broad overview of issues and approaches to global studies. Each student then chooses a thematic and regional concentration. Coursework is completed by selecting from relevant courses offered by a broad range of departments.

**Admission Requirements**

As preparation for the major, students are encouraged to take 6 credits of related coursework as shown in “Preparatory Courses” listed in the program requirements and take at least one year of foreign language at the college level. Students must formally enroll in the major at the advising office, 206 Social Sciences Building. Students must meet with an adviser to develop a program that meets major guidelines.

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.admissions.umn.edu).

**Program Requirements**

Students are required to take 4 semester(s) of language appropriate to regional concentration.

Detailed information about concentrations is available in the Global Studies Handbook.

**Preparatory Courses**

*Take 6 or more credit(s) from the following:*

- CSCL 1001—Introduction to Cultural Studies: Rhetoric, Power, Desire (4 cr)
- CSCL 1301W—Reading Culture: Theory and Practice, AH, WI (4 cr)
- GEOG 1301W—Our Globalizing World, SOCS, GP, WI (4 cr)
- GLOS 1015W—Globalization: Issues and Challenges, WI (4 cr)
- GLOS 1112—Globalization and Social Justice (3 cr)
- HIST 1012W—The Age of Global Contact, HIS, GP, WI (4 cr)
- HIST 1018—The Age of Global Contact (3 cr)
- POL 1025—Global Politics, SOCS, GP (4 cr)
Major Courses
GLOS 3145—Theoretical Approaches to Global Studies (4 cr)
GLOS 3144—Knowledge, Power, and the Politics of Representation in Global Studies (4 cr)

Thematic Concentration
Choose a thematic concentration from the following options: Culture, Power, Place; Environment and Sustainable Development; Governance, Peace and Justice in a Global Context; International Political Economy; Population, Migration, and Identity. Courses must be chosen in consultation with a global studies adviser.
One to two breadth courses, depending on the theme (3 to 6 credits).
Ways of knowing course (at least 3 credits) appropriate for theme.
Two to three elective courses (6 to 9 credits), depending on theme.

Regional Concentration
Choose a regional concentration from: Africa, Middle East, East Asia, Europe, Latin America, Russia, or South Asia. Courses must be chosen in consultation with a global studies adviser.
At least one regional breadth course.
At least three additional regional elective courses.

Experiential Learning and Senior Project
Students must participate in a relevant experiential learning opportunity through study abroad, the foreign language immersion program, an internship, or a service learning experience. Work completed in meeting these requirements may count towards the thematic or regional concentrations when approved by an adviser. Students must also complete a major project integrating their regional and thematic concentrations.
GLOS 3981W—Major Project Seminar, WI (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Global Studies Minor

• Required credits in this minor: 17.
The minor offers students the opportunity to study the interrelated processes shaping today’s increasingly interdependent world. Students examine political, economic, cultural, and social processes of local communities, nation states, transnational businesses, and social movements across the globe.

Minor Requirements
After completing GLOS 3101 and GLOS 3144, students declare a thematic and regional concentration and complete an additional 9 credits, including at least one breadth requirement, one course in a theme, and one course in a region. All courses must be taken A-F, and completed with a C- or better.

Minor Courses
GLOS 3145—Theoretical Approaches to Global Studies (4 cr)
GLOS 3144—Knowledge, Power, and the Politics of Representation in Global Studies (4 cr)

Breadth course chosen in consultation with a global studies adviser.
Course in a given theme, chosen in consultation with a global studies adviser.
Course in a specific region, chosen in consultation with a global studies adviser.

Greek B.A.

Classical and Near Eastern Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 30.

Greek is the Western language with the longest continuous history, from the poetry of Homer in the first millennium B.C. to the present. This program focuses on literature, philosophy, religion, 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
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
Students take either beginning or intensive classical Greek, or they must have four years of high school Greek. All students must take one course from CNES 1002, 1042, 1042H, or 1043, or another appropriate course with the approval of the director of undergraduate studies.
GRK 1002—Beginning Classical Greek I (5 cr)
or
GRK 5001—Intensive Classical Greek (3 cr)
CNES 1002—World of Greece (3 cr)
or
CNES 1042—Greek and Roman Mythology, AH (4 cr)
or
CNES 1042H—Honors Course: Greek and Roman Mythology, AH, H (4 cr)
or
CNES 1043—Introduction to Greek and Roman Archaeology (4 cr)

Program Requirements
Students are required to take 4 semester(s) of Greek.

Major Courses
GRK 3111, 3112, and 5001 may not be used to meet this requirement.
Take 14 or more credit(s) from the following:
GRK 3xx
GRK 5xx

Electives
Take 12 or more credits as described below.
Courses used to fulfill the major courses requirement may not also be used to count for the electives requirement.
Other courses in history, art history, medieval studies, or other appropriate areas may be used with the approval of the director of undergraduate studies.
GRK 3111, 3112, and 5001; and LAT 3100, 3111, 3112, and 5001 may not be used to fulfill this requirement.
CNES 3xxx–5xxx: 3 credits
Take 9 or more credit(s) from the following:
CNES 3xx, 4xx, 5xx
GRK 3xx, 5xx
LAT 3xx, 5xx
Senior Project
Students can get a copy of the departmental statement on major projects from the director of undergraduate studies or department office.
Students who complete a major project for another CLA major are not required to complete a major project for Greek but may instead substitute 4 credits of elective courses with the approval of the director of undergraduate studies.
GRK 4951W—Major Project, WI (4 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Greek Minor
• Required credits in this minor: 14.
The Greek minor allows students who have satisfied the language requirement in Greek to read ancient authors and to expand their knowledge of ancient civilization.

Admission Requirements
Students must complete 2 courses before admission to the program.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
Students take either beginning or intensive Greek, or they must have four years of high school Greek. All students must take one course from CNES 1002, 1042, 1042H, or 1043; or another appropriate course with the approval of the director of undergraduate studies.
GRK 1002—Beginning Classical Greek II (5 cr)
or GRK 5001—Intensive Classical Greek (3 cr)
CNES 1002—World of Greece, HP (3 cr)
or CNES 1042—Greek and Roman Mythology, OH (4 cr)
or CNES 1042H—Honors Course: Greek and Roman Mythology, OH, H (4 cr)
or CNES 1043—Introduction to Greek and Roman Archaeology, HP (4 cr)

Minor Requirements

Minor Courses
GRK 3111, 3112, and 5001; and LAT 3100, 3111, 3112, and 5001 may not be used to fulfill this requirement.

Other courses in history, art history, medieval studies, or other appropriate areas may be used with the approval of the director of undergraduate studies.

Take 11 or more credit(s) from the following:
GRK 3xxx
GRK 5xxx

Take 3 or more credit(s) from the following:
CNES 3xxx, 4xxx, 5xxx
GRK 3xxx, 5xxx
LAT 3xxx, 5xxx

Hebrew B.A.
Classical and Near Eastern Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 27 to 29.
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 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 the Learning Abroad Center 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.

Admission Requirements
Students must complete 3 courses before admission to the program.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
Note that each HEBR course below requires completion of a prerequisite HEBR course.

CNES 1001—World of the Bible: Religions, Empires, and Discourses of Power, HP (3 cr)
or CNES 1044—Introduction to Near Eastern Archaeology (3 cr)
or CNES 1201—The Bible: Context and Interpretation (3 cr)
or CNES 1002—Jesus in History (3 cr)
or RELS 1082—Jesus in History (3 cr)
or JWST 1034—Introduction to Jewish History and Civilization, HIS (3 cr)
or RELS 1034—Introduction to Jewish History and Civilization, HIS (3 cr)
HEBR 1002—Beginning Hebrew II (5 cr)
or HEBR 1102—Beginning Biblical Hebrew II (5 cr)
or HEBR 4002—Beginning Hebrew II (3 cr)
or HEBR 4105—Basics of Biblical Hebrew II (3 cr)

Program Requirements
Students are required to take 4 semester(s) of Hebrew.

Major Courses
Take 6 or more credit(s) from the following:
HEBR 3090—Advanced Modern Hebrew (3 cr)
HEBR 3200—Advanced Classical Hebrew (3 cr)
HEBR 3300—Post-Biblical Hebrew: Second Temple Period (3 cr)
HEBR 3400—Rabbinic Texts (3 cr)
HEBR 3990—Topics in Hebrew Studies (1–4 cr)
HEBR 3993—Directed Studies (1–4 cr)
HEBR 5090—Advanced Modern Hebrew (3 cr)
HEBR 5200—Advanced Classical Hebrew (3 cr)
HEBR 5300—Post-Biblical Hebrew: Second Temple Period (3 cr)
HEBR 5400—Rabbinic Texts (3 cr)
HEBR 5992—Directed Readings (1–4 cr)

Take one of the following course pairs:
HEBR 3011—Intermediate Hebrew I (5 cr)
and HEBR 3012—Intermediate Hebrew II (5 cr)
or HEBR 3011—Intermediate Biblical Hebrew I (4 cr)
and HEBR 3102—Intermediate Biblical Hebrew II (4 cr)
Electives
Student primarily studying Modern Hebrew must take a minimum of two courses in Classical Hebrew (HEBR 4101 and 4105). Students primarily studying Classical Hebrew must take a minimum of two courses in Modern Hebrew (HEBR 4001 and 4002).
Complete nine credits of relevant coursework with the approval of the director of undergraduate studies.

Senior Project
Students who complete a major project for another CLA major may substitute four credits of HEBR or related coursework with the approval of the director of undergraduate studies. Students who double major in Hebrew and RELST, JWST, or any CNES major, are especially encouraged to integrate their programs by preparing a senior project that includes a significant Hebrew component.

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Hebrew Minor
• Required credits in this minor: 14.
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.

Admission Requirements
Students must complete 3 courses before admission to the program.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
Complete two semesters of introductory Hebrew (note that each HEBR course below requires completion of a prerequisite HEBR course), and take at least three credits of related non-language work (in CNES, RELA, or JWST).

CNES 1001—World of the Bible: Religions, Empires, and Discourses of Power, HP (3 cr)
or CNES 1044—Introduction to Near Eastern Archaeology, HP (3 cr)
or CNES 1201—The Bible: Context and Interpretation, LIT (3 cr)
or CNES 1082—Jesus in History, HP (3 cr)
or RELS 1082—Jesus in History, HP (3 cr)
or JWST 1034—Introduction to Jewish History and Civilization, HP (3 cr)
or RELS 1034—Introduction to Jewish History and Civilization, HP (3 cr)
HEBR 1002—Beginning Hebrew II (5 cr)
or HEBR 1102—Beginning Biblical Hebrew II (5 cr)
or HEBR 4002—Beginning Hebrew II (3 cr)
or HEBR 4105—Basics of Biblical Hebrew II (3 cr)

Minor Requirements

Minor Courses
Take three credits of related coursework, which may include Hebrew.
Take 11 or more credit(s) from the following:
HEBR 3xxx

History B.A.

History
• Required credits to graduate with this degree: 120.
• Required credits within the major: 36.

History examines the past, seeking to understand the development and changes in the human experience from its origins to the present. Historians are interested in documenting and interpreting the past from its diverse theoretical, ideological, and methodological approaches and at all levels from local history to comparative and global history.

Courses range from surveys to research and intensive seminars, and focus on a rich array of topics—various regions (Europe, Africa, Asia, Latin America, United States), time periods (ancient, medieval, early modern, and modern), methods (social, cultural, economic, quantitative), and comparative themes (gender and sexuality, imperialism, race and ethnicity). Interdisciplinary programs incorporate history into a variety of other programs (history of medicine, global studies, medieval studies, American studies, women’s studies).

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

The history major consists of 11 courses: (2) 1xxx–3xxx courses, (8) upper division courses, and an elective course from any level.

History majors must fulfill three distribution requirements with 1xxx–5xxx courses:
• Chronological: at least two courses must be pre-modern (roughly pre-1750) in focus, and two courses must be from the modern era (roughly post-1750).
• Geographic: at least one course in each of two different geographic areas (only one of which may be U.S. and Europe; the second to be Asian, Middle Eastern, African, or Latin American) and one of the following courses in world history: HIST 1011 W or 1012 V, 1012 V, 1015 W or 1015 V, 1017, 1018, 1019, 3415, 3419, 3728, 3797, 5501.
• Writing Intensive: of the nine elective courses, at least two must be writing intensive—one 1xxx–3xxx WI survey course and one 3xxx–4xxx WI course (may be a survey, topical lecture, or research seminar).

Survey Courses
At least one of the two survey courses must be writing intensive.
At least one of the two survey courses must be completed at the University of Minnesota.
Take 2 or more course(s) from the following:
Take 0 or more course(s) from the following:
HIST 1017—Origins: Global Societies Before 1500 (3 cr)
HIST 1018—The Age of Global Contact (3 cr)
HIST 1019—Globalization: Issues and Challenges (3 cr)
HIST 1027—Europe and the World: Expansion, Encounter, and Exchange from 1500 to Present (3 cr)
HIST 1030—Global America: U.S. History Since 1865, HIS (3 cr)
HIST 3051—Ancient Civilization: Near East and Egypt, HIS (3 cr)
HIST 3052—Ancient Civilization: Greece (3 cr)
HIST 3053—Ancient Civilization: Rome, HIS (3 cr)
HIST 3101—Introduction to Medieval History, HIS, GP (3 cr)
HIST 3152—British History From the Seventeenth Century, HIS (4 cr)
HIST 3431—Early Africa and Its Global Connections, HIS, GP (4 cr)
HIST 3432—Modern Africa in a Changing World, HIS, GP (4 cr)
HIST 3461—Introduction to East Asia I: The Imperial Age (3–4 cr)
HIST 3462—From Subjects to Citizens: The History of East Asia From 1500 to the Present, HIS, GP (3–4 cr)
HIST 3485—History of Southeast Asia, GP (3 cr)
HIST 3505—Survey of the Modern Middle East, GP (3 cr)
HIST 3541—Islam in World History (3 cr)
HIST 3542—Medieval Islam (3 cr)
HIST 3543—Arabs Under Mamluks and Ottomans: 1300-1920 (3 cr)

Take 1 or more course(s) from the following:

HIST 1011W—Origins: Global Societies Before 1500, HIS, ENV, WI (4 cr)
HIST 1012W—The Age of Global Contact, HIS, GP, WI (4 cr)
HIST 1015W—Globalization: Issues and Challenges, GP, WI (4 cr)
HIST 1031W—Europe and the World: Expansion, Encounter, and Exchange to 1500, HIS, GP, WI (4 cr)
HIST 1032W—Europe and the World: Expansion, Encounter, and Exchange from 1500 to Present, HIS, GP, WI (4 cr)
HIST 1301W—Authority and Rebellion: American History to 1865, HIS, DSIJ, WI (4 cr)
HIST 1302W—Global America: U.S. History Since 1865, HIS, DSI, WI (4 cr)
HIST 3151W—British History to the 17th Century, HIS, GP, WI (4 cr)
HIST 3401W—Early Latin America to 1825, HIS, GP, WI (4 cr)
HIST 3402W—Modern Latin America 1825 to Present, HP, IP, WI (4 cr)

Major Courses

Three courses must be in an area of concentration as approved by the undergraduate studies office.

Take 6 or more course(s) from the following:

HIST 3xx
HIST 4xx
HIST 5xx

Historiography/Methods

HIST 3959—How to Do History (3 cr)
or HIST 3959H—Honors: How to Do History, H (3 cr)

Senior Project

Students must pre-register for the senior paper course (HIST 4961W or 4961V) with the undergraduate studies office at least two semesters in advance.

HIST 4961W—Major Paper, WI (4 cr)
or HIST 4961V—Honors: Major Paper, WI, H (4 cr)
or HIST 5xx

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

History Minor

- Required credits in this minor: 14.

History examines the past, seeking to understand the development and changes in the human experience from its origins to the present. Historians are interested in documenting and interpreting the past from diverse theoretical, ideological, and methodological approaches and at all levels from local history to comparative and global history.

Minor Requirements

Students must take a minimum of five history courses. These courses must be in at least two different cultural/geographic areas and be taken A-F. Students must receive a grade of C-or better. At least 14 credits must be at the upper division level.

Minor Courses

Take at least 14 upper division credits in at least two different cultural/geographic areas.

Take 5 or more course(s) from the following:

HIST 1xxx
HIST 3xxx
HIST 4xxx
HIST 5xxx

History of Medicine Minor

College of Liberal Arts

This is a free-standing minor.

- Required credits in this minor: 14.

History of medicine courses explore the development of medical knowledge, institutions, practices, and cultural authority; the history of diseases; the history of public health and health policy; and the role of medicine, health, and disease in history. This minor provides valuable grounding for students interested in the health professions, history and the social sciences, environmental studies, public policy, and the sciences. Students gain research experience and have opportunities to tailor their curriculum to meet their specific interests.

For additional information, please contact the director of undergraduate studies for the Program in the History of Medicine at hmed@umn.edu or 612-624-1909.

Minor Requirements

Health Care in History

Take either pair of courses.

HMED 3001W—Health, Disease, and Healing I, HIS, WI (4 cr)
HMED 3002W—Health Care in History II, WI (3 cr)
or

History of Medicine

HMED 5200—Early History of Medicine to 1700 (3 cr)
HMED 5201—History of Medicine from 1700 to 1900 (3 cr)
Electives
Take 8 or more credit(s) from the following:
HMED 3xxx
HMED 4xxx
HMED 5xxx

History of Science and Technology Minor
College of Liberal Arts
This is a free-standing minor.
• Required credits in this minor: 14.
Courses for this minor address the history of science and technology, including the cultural and social contexts of their development. Students taking the minor work with the director of undergraduate studies to develop a coherent program of courses to allow for breadth as well as focus. For a list of specific courses offered, see www.hst.umn.edu/academics/courses.html.

Minor Requirements

Minor Courses
Take 11 or more credit(s) from the following:
HSCI 3xxx
HSCI 4xxx
HSCI 5xxx

Take 3 or more credit(s) from the following:
HSCI 4xxx
HSCI 5xxx

Humanities in the West Minor
College of Liberal Arts
This is a free-standing minor.
• Required credits in this minor: 18.

Humanities offers integrated study of areas of civilization and major humanistic problems, drawing mainly on primary sources in literature, philosophy, history, and the arts and on 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.

Minor Requirements

The minor program must be approved by the humanities program coordinator. No more than one 3xxx–4xxx course in the program may be taken directed study, directed instruction, or independent study. All courses must be taken A-F.

Minor Courses
No more than one 1xxx HUM course may be taken to fulfill this requirement.
Take 12 or more credit(s) from the following:
HUM 1001—Humanities in the West I, AH (4 cr)
HUM 1002—Humanities in the West II, AH (4 cr)
HUM 1003—Humanities in the West III, AH (4 cr)
HUM 1004—Humanities in the West IV, AH (4 cr)
HUM 1005—Humanities in the West V, AH (4 cr)
HUM 1006—Humanities in the West VI, AH, GP (4 cr)

Take 2 or more course(s) from the following:
HUM 3001—Humanities in the West I, AH (4 cr)
HUM 3002—Humanities in the West II, AH (4 cr)
HUM 3003—Humanities in the West III, AH (4 cr)
HUM 3004—Humanities in the West IV, AH (4 cr)
HUM 3005—Humanities in the West V, AH (4 cr)
HUM 3006—Humanities in the West VI, AH, GP (4 cr)

Electives
Take 2 or more course(s) totaling 6 or more credit(s) from the following:
HUM 3xxx
HUM 4xxx
HUM 5xxx

Bachelor of Individualized Studies B.I.S.
College of Liberal Arts
• Required credits to graduate with this degree: 120.
• Required credits within the major: 50.
The B.I.S. provides flexibility in a student’s degree program by allowing students to focus their coursework on three areas, one of which may consist of courses outside of CLA. The areas do not have to be related to each other, but the program proposal must explain how the areas of study connect to the student’s overall educational goals.

Working closely with a B.I.S. adviser, students develop a written proposal and course list. The proposal must be approved by a committee and three faculty or department advisers with expertise in the areas of concentration. Some departments and colleges have prerequisite or required courses for students who want to include concentrations based in those departments and colleges in their B.I.S. program.

For specific information on proposal procedures and on department and college guidelines, see the Individualized Degree Programs website http://idp.class.umn.edu.

Admission Requirements

For certain concentrations, prerequisite courses must be completed before submitting a program proposal. For certain concentrations, a minimum overall GPA or a minimum tool course GPA is required before a student can submit a program proposal.

Students can declare the degree after attending an information session (held two to three times a week) and preparing a preliminary course list. Students are not approved for the degree until they have submitted a program proposal (the submission deadline is once per semester) and the proposal has been approved by a committee and faculty or department advisers.

See a BIS adviser for more information.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.
the program. The CLA requirement of 18 credits at or above 3xxx outside the major does not apply. Students are required to complete an analytic paper in one of their CLA areas of concentration.

**Major Courses**
- First Concentration Area
- Second Concentration Area
- Third Concentration Area

Senior paper: 2,500-word analytic paper written in conjunction with a CLA course in the B.I.S. program.

**Program Sub-plans**
A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Individually Designed Interdepartmental B.A.**

**College of Liberal Arts**
- Required credits to graduate with this degree: 120.
- Required credits within the major: 50.

The individually designed interdepartmental major (IDIM) enables students to 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.

IDIM programs consist of three or four areas of concentration, integrated in such a way that the major has strong thematic unity and coherence.

Working closely with an IDIM adviser, students develop a written proposal and course list that articulates a cohesive and unified interdisciplinary theme. IDIM program proposals must be approved by a committee and three faculty or department advisers with expertise in the areas of concentration. Some departments have established guidelines for students who wish to include in their majors concentration areas based in those departments.

For specific information on proposal approval procedures and department guidelines, see the individualized degree programs website at [http://idp.class.umn.edu](http://idp.class.umn.edu).

**Admission Requirements**
For certain concentration areas, prerequisite courses must be completed before submitting a program proposal. For certain concentrations a minimum overall GPA or a minimum tool course GPA is required before a student can submit a program proposal.

Students can declare the major after attending an information session (held two to three times a week) and preparing a preliminary course list. Students are not approved for the degree until they have submitted a program proposal (the submission deadline is once per semester) and the proposal has been approved by a committee and faculty or department advisers.

See the IDIM adviser for more information. For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://idp.class.umn.edu).

**Program Requirements**
Students are required to take 4 semester(s) of any second language.

Students must complete at least 50 approved CLA credits distributed among three of four concentration areas, with at least 40 of the 50 credits at 3xxx or above. The concentrations may be departmental or thematic in composition, and each must include at least 11 credits at 3xxx or above.

Students must have their program approved by a committee and three department or faculty advisers. At least 20 credits in the major must be completed after the program has been approved. No more than 12 credits of directed study may be applied toward the program. The CLA requirement of 18 credits at or above 3xxx outside the major does not apply.

Students must complete an integrating senior project, earning at least 2 credits in conjunction with the project. Senior project proposals must be approved by faculty and staff advisers the semester before the project is begun. Projects may vary widely in form, depending on a student’s program. The project proposal and the project itself must be reviewed and approved by one faculty adviser and two faculty readers.

**Major Courses**
Students must take 50 credits, with at least 40 credits at 3xxx or above in area(s) of concentration, in consultation with an adviser.

Students must complete an integrating senior project, earning at least 2 credits in conjunction with the project.

**Program Sub-plans**
A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.
Italian Studies B.A.

French and Italian

- Required credits to graduate with this degree: 120.
- Required credits within the major: 29.

The Italian studies undergraduate program examines Italian and Italian-American literature, culture, society, and history. Courses offered provide a historical perspective from the Middle Ages to the present. Students explore a variety of themes ranging from nation-building and national identity to emigration and travel, to gender relations and feminist discourses, to the study of different narrative forms and representations of Italian and Italian-American culture. Students are encouraged to take courses in other departments when these are related to Italian and Italian-American culture. For further information and updates, see the department website at www.cla.umn.edu/frit.

Admission Requirements

Complete the introductory Italian language courses (ITAL 1001-1004). For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of Italian.

Major Courses

ITAL 3015—Reading, Conversation, and Composition (4 cr)

Electives

Courses from other departments can count towards the major with the approval of the Italian undergraduate adviser.

Take 8 or more course(s) from the following:

ITAL 3xxx
ITAL 4xxx
ITAL 5xxx
ITAL 3837—Imagining Italy: Italian and Italian-American Culture, History, and Society Through Film (4 cr)
ITAL 4307—Novellistica (3 cr)
ITAL 3305—Staging the Self: Theater and Drama in Modern Italy (4 cr)
ITAL 3501—The World in the City: Italy 1100-1660 (3 cr)
ITAL 3502—Making of Modern Italy: From the Enlightenment to the Present (3 cr)
ITAL 3219—Literature of the Despotisms (4 cr)
ITAL 3550—Topics in 19th Century Italy (3 cr)
ITAL 3806—Negotiating the Terms: Italian Film and Literature (3 cr)
ITAL 4303—Drama and Spectacle in Italy, 1200-1770 (4 cr)
ITAL 3640—Topics in Italian Studies (3 cr)
ITAL 5337—Nation and Narration: Writings in the 19th Century (4 cr)
ITAL 5401—Mondo di Dante (4 cr)
ARCH 4424—Renaissance Architecture (3 cr)
ARCH 4425—Baroque Architecture (3 cr)
ENGL 3040—Studies in Film (3 cr)
FRIT 3802—Cinema and Realism (3 cr)
FRIT 3803—New Wave Cinemas: Love, Alienation and Landscape in Post-War Italian and French Film (3 cr)
FRIT 5257—Passionate Beings: Literary and Medical Problematics in Italy and France from 1800 to the Present (4 cr)
HIST 3053—Ancient Civilization: Rome, HIS (3 cr)
HIST 3621—Renaissance Italy: 1200–1550 (3 cr)
HIST 3703W—European Cities: 1300–1800, WI (3 cr)
HIST 4071—History of Rome to 78 B.C. (3 cr)
HIST 4072—History of Rome: 78 B.C. to A.D. 117 (3 cr)
MEST 3610—Topics in Medieval Studies (3–4 cr)
MUS 5620—Topics in Opera History (3 cr)

Senior Project

The senior project involves research and writing in Italian on an approved issue or theme. Projects can include scholarly paper, or creative artistic piece such as musical composition, photography, poetry, fiction, etc. All projects include a research/analytical component.

Students must register for an approved elective with concurrent registration in ITAL 3459W. All projects must be developed under the supervision of the faculty teaching the approved elective course.

Take 1 or more course(s) from the following:
ITAL 3459W—Senior Project, WI (1 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Italian Studies Minor

- Required credits in this minor: 16.

The Italian studies undergraduate minor program examines Italian and Italian American literature, culture, society, and history.

Admission Requirements

Students must complete 4 courses before admission to the program.

Students must complete language study equivalent to four semesters (intermediate level) before beginning the minor.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Minor Requirements

Students are required to take 4 semester(s) of Italian.

Minor Courses

With the approval of the Italian studies undergraduate adviser, courses taken through other departments (e.g., art history, English, history, music) may count toward the Italian studies minor when they pertain to Italian studies topics.
ITAL 3015—Reading, Conversation, and Composition (4 cr)

Take 12 or more credit(s) from the following:
ITAL 3xxx
ITAL 4xxx
ITAL 5xxx
Jewish Studies B.A.

College of Liberal Arts

- Required credits to graduate with this degree: 120.
- Required credits within the major: 30.

This broad, interdisciplinary field studies the civilization of the Jewish people from its beginning 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, German, Music, and Political Science. The University’s Center for Holocaust and Genocide Studies offers courses related to the Nazi Holocaust and its aftermath.

Study abroad in Israel or Europe is encouraged as a valuable augment to the major; consult the Learning Abroad Center at 612-626-9000 for more information.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of Hebrew.

Students complete one of two tracks, focusing on either the diversity of Jewish civilization or the the Bible and foundations of ancient Judaism. Either biblical or modern Hebrew may be required, depending on the track chosen.

Preparatory Courses

Choose one course from either of the two groups of courses.

- **Jewish History and Civilization**
  - JWST 1034—Introduction to Jewish History and Civilization, HIS (3 cr)
  - or JWST 3034—Introduction to Jewish History and Civilization, HIS (3 cr)
  - or RELS 1034—Introduction to Jewish History and Civilization, HIS (3 cr)
  - or RELS 3034—Introduction to Jewish History and Civilization, HIS (3 cr)

- **The Bible**
  - CNES 1201—The Bible: Context and Interpretation (3 cr)
  - or CNES 3201—The Bible: Context and Interpretation (3 cr)
  - or JWST 1201—The Bible: Context and Interpretation (3 cr)
  - or JWST 3201—The Bible: Context and Interpretation (3 cr)
  - or RELS 3201—The Bible: Context and Interpretation (3 cr)

Senior Project

Students prepare a senior project in an appropriate area of interest. Consult a faculty adviser.

- JWST 4000W—Final Project, Writing Intensive, W1 (4 cr)
- or JWST 4001W—Final Project, Writing Intensive, W1 (1 cr)

Program Sub-plans

Students are required to complete one of the following sub-plans.

*(Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)*

### The Bible and the Foundations of Ancient Judaism Sub-plan

#### Required Courses for the Sub-plan

**Biblical Hebrew**

*Take one of the following course pairs:*

- HEBR 1101—Beginning Biblical Hebrew I (5 cr)
- or HEBR 1102—Beginning Biblical Hebrew II (5 cr)
- or HEBR 4104—Basics of Biblical Hebrew I (3 cr)
- or HEBR 4105—Basics of Biblical Hebrew II (3 cr)

**Biblical and Religious Perspectives**

Complete a minimum of 9 credits. Consult an adviser for appropriate coursework.

- At least one course in Hebrew Bible/ancient Israel.
- At least one course in classical/post-biblical Judaism.

One additional adviser-approved course.

**History and Material Culture**

The focus of these courses is on the use of history, archaeology, and material culture as ways of contextualizing, challenging, and supplementing the textual record. Appropriate courses include the history and archaeology of the ancient Near East, Israel, or Syria-Palestine.

Complete a minimum of two courses for 6 credits.

**Comparative Perspectives**

Courses include studies of other cultures and civilizations that are chronologically or geographically contiguous with Israelite/Jewish society through the Rabbinic period.

Complete a minimum of two courses for 6 credits.

**Intermediate Biblical Hebrew**

Students demonstrating intermediate proficiency (or higher) in biblical Hebrew without formal Hebrew language credits will be asked to complete 8 additional elective credits in lieu of these courses, chosen in consultation with the director of undergraduate studies.

- HEBR 3101—Intermediate Biblical Hebrew I (4 cr)
- HEBR 3102—Intermediate Biblical Hebrew II (4 cr)

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

#### The Diversity of Jewish Civilization-Religion, History, and Culture Sub-plan

#### Required Courses for the Sub-plan

**Biblical or Modern Hebrew**

*Take one of the following course pairs:*

- HEBR 1001—Beginning Hebrew I (5 cr)
- or HEBR 1002—Beginning Hebrew II (5 cr)
- or HEBR 1001—Beginning Biblical Hebrew I (5 cr)
- or HEBR 1002—Beginning Biblical Hebrew II (5 cr)
- or HEBR 4001—Beginning Hebrew I (3 cr)
- or HEBR 4002—Beginning Biblical Hebrew II (3 cr)
courses (1xxx or 2xxx) in an additional language may count toward the minor. Up to 10 credits of biblical and/or modern Hebrew courses (3xxx or above), including one course in antiquity (ancient / medieval) and one in the modern period. Courses must be taken with grade of C- or higher. Students demonstrating intermediate proficiency (or higher) in modern or biblical Hebrew without formal Hebrew language credits will be asked to complete 8 additional elective credits in lieu of these courses, chosen in consultation with the director of undergraduate studies.

Take one of the following course pairs:

- HEBR 3011—Intermediate Hebrew I (5 cr)
- HEBR 3012—Intermediate Hebrew II (5 cr)
- HEBR 3101—Intermediate Biblical Hebrew I (4 cr)
- HEBR 3102—Intermediate Biblical Hebrew II (4 cr)

**Electives**

Complete one additional course chosen in consultation with an adviser.

### Jewish Studies Minor

- **Required credits in this minor:** 14.

The Jewish studies minor allows students to develop an additional concentration in the academic study of Jewish culture and civilization throughout history. The minor, which recognizes the diversity and international aspect of the Jewish experience, reinforces any disciplinary specialization and contributes a comparative focus. Students choose from among the full range of JWST courses in biblical studies, archaeology, ancient Judaism, Hebrew, Jewish history (including Holocaust studies), German-Jewish literature, and the American Jewish experience.

### Minor Requirements

Students must take a total of five JWST courses (at least 14 credits of 3xxx or above), including one course in antiquity (ancient / medieval) and one in the modern period. Courses must be taken A-F, with grades of C- or better and a 2.00 GPA. Up to 10 credits of biblical and/or modern Hebrew courses (3xxx or higher) may count toward the minor.

If students wish to study a second language in addition to completing four semesters of study in one language, introductory courses (1xxx or 2xxx) in an additional language may count towards the minor if relevant to Jewish studies, and with the approval of the director of undergraduate studies. This provision applies to students who have studied modern Hebrew but wish to add biblical Hebrew, or vice versa.

### Minor Courses

At least one course at 3xxx or above that covers any aspect of Jewish civilization since 1492.

### Ancient and Medieval Foundations of Judaism

- JWST 3034—Introduction to Jewish History and Civilization, HP (3 cr)
- JWST 3035—Biblical Law and Jewish Ethics, WI (3 cr)

**JWST 3xxx-5xxx**

Take 2 or more course(s) from the following:

- JWST 3xxx
- JWST 4xxx
- JWST 5xxx

### Journalism B.A.

#### School of Journalism and Mass Communication

- **Required credits to graduate with this degree:** 120.
- **Required credits within the major:** 36 to 40.

The School of Journalism and Mass Communication offers three tracks focused on distinct areas of study within the discipline. The professional journalism track prepares students for careers such as news reporting, writing, editing, producing, and photojournalism in traditional and emerging media. The professional strategic communication track prepares students for careers in advertising, public relations, and corporate and advocacy communications. The two professional tracks are based on a liberal arts foundation, knowledge of the social context in which the professions are practiced, and the skills and experiences needed to succeed in the marketplace.

The mass communication track is for students who wish to study the social, political, economic, and legal 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 of Journalism and Mass Communication.

About two-thirds 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 80 non-journalism credits, including 65 CLA credits.

#### Admission Requirements

Freshmen and transfer students are usually admitted to pre-major status before admission to this major.

A GPA above 2.00 is preferred for the following:

- 3.00 for students already admitted to the degree-granting college.
- 3.00 for students transferring from another University of Minnesota college.
- 3.00 for students transferring from outside the University.

The school admits a limited number of undergraduates annually. To apply, students must have completed, or be enrolled in, JOUR 1001 and at least 30 graded (A-F) credits, including at least one semester of study (13 credits) in CLA. Students must write a statement of intent for the major application. The statement of intent provides a writing sample for the Admissions Committee and should include information about academic
interests, professional goals, and mass communication or related experience, if any.

Students who are admitted usually have a 3.00 or higher overall GPA and must have a grade of C or better in JOUR 1001.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Required Preparatory Course(s) for Admission**

JOUR 1001—Introduction to Mass Communication, SOCS (3 cr)

**Program Requirements**

Students are required to take 4 semester(s) of any second language.

**Major Courses**

JOUR 1001—Introduction to Mass Communication, SOCS (3 cr)
or JOUR 3004V—Honors: Information for Mass Communication, WI, H (3 cr)

**Supporting Courses**

Take 12 credits of 3xxx, 4xxx, or 5xxx courses from other departments, chosen in consultation with a major adviser, or complete a minor or a major in another department.

**Program Sub-plans**

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

**Mass Communication Track (Sub-plan)**

The mass communication track is for students who wish to study the social, political, economic, and legal 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 of Journalism and Mass Communication.

Students must include one visual communication course (professional or context) and take either JOUR 3006 (context course) or JOUR 3102, JOUR 3321, or JOUR 3451 (professional courses). Students must also include two 4xxx or 5xxx context courses to complete the CLA major project requirement.

**Required Courses for the sub-plan**

**Context Courses**

Courses must be chosen in consultation with a major adviser. Directed study and specialized topics courses may be used to meet this requirement. With adviser approval, one to three professional (skills) courses are permitted, but not required.

Take exactly 30 credit(s) including 4 or more sub-requirement(s) from the following:

**History**

Take 1 or more course(s) from the following:

- JOUR 3007—The Media in American History and Law: Case Studies, HIS (3 cr)
- JOUR 3614—History of Media Communication, HIS (3 cr)
- JOUR 3615—History of the Documentary, AH (3 cr)
- JOUR 5601W—History of Journalism, WI (3 cr)
- JOUR 5606W—Literary Aspects of Journalism, WI (3 cr)
- JOUR 5615—History of the Documentary (3 cr)

**International/Multicultural**

Take 1 or more course(s) from the following:

- JOUR 3552—Internet and Global Society (3 cr)
- JOUR 3741—People of Color and the Mass Media, DSJ (3 cr)
- JOUR 4801—Global Communication (3 cr)
- JOUR 5825—World Communication Systems (3 cr)

**Media Effects**

Take 1 or more course(s) from the following:

- JOUR 3005—Mass Media Effects, SOCS (3 cr)
- JOUR 3006—Visual Communication (3 cr)
- JOUR 3008—Mass Communication Processes and Structure (3 cr)
- JOUR 4272—Interactive Advertising (3 cr)
- JOUR 5251—Psychology of Advertising (3 cr)
- JOUR 5316—Theories of Visual Communication (3 cr)
- JOUR 5501—Communication and Public Opinion (3 cr)
- JOUR 5541—Mass Communication and Public Health (3 cr)

**Media and Society**

Take 1 or more course(s) from the following:

- JOUR 3551—Economics of New Media, TS (3 cr)
- JOUR 3745—Mass Media and Popular Culture, AH, DSJ (3 cr)
- JOUR 3771—Mass Media Ethics: Moral Reasoning and Case Studies, CIV (3 cr)
- JOUR 3776—Mass Communication Law (3 cr)
- JOUR 3796—Mass Media and Politics (3 cr)
- JOUR 4274W—Advertising in Society, WI (3 cr)
- JOUR 4551—New Media Culture, AH, TS (3 cr)
- JOUR 4721—Mass Media and U.S. Society, SOCS (3 cr)
- JOUR 5552—Law of Internet Communications (3 cr)
- JOUR 5725—Management of Media Organizations (3 cr)
- JOUR 5771—Media Ethics: Principles and Practice (3 cr)
- JOUR 5777—Contemporary Problems in Freedom of Speech and Press (3 cr)

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Professional journalism and strategic communication track students must take JOUR 4731H, concurrent with their capstone course. Mass communication track students must take JOUR 4731H concurrent with a 4xxx or 5xxx journalism course, or complete one honors opportunity inside the major.

**Professional Strategic Communication Track Sub-plan**

The professional strategic communication track prepares students for careers in advertising, public relations, and corporate and advocacy communications.

Students must include one visual communication course in either the professional or context area of the program and take either JOUR 3006 (context course) or JOUR 3102, JOUR 3321, or JOUR 3451 (professional courses). JOUR 4259 and 4263 fulfill the CLA major project requirement.
Required Courses for the Sub-plan

Strategic Communication Core Courses
JOUR 3201—Principles of Strategic Communication: Advertising (3 cr)
or JOUR 3202—Principles of Strategic Communication: Public Relations (3 cr)
JOUR 3251—Strategic Communication Research (3 cr)
JOUR 4259—Cases in Strategic Planning and Thinking (3 cr)
JOUR 4263—Strategic Communication Campaigns (4 cr)

Professional Courses
Courses must be chosen in consultation with a major adviser. Professional courses from the journalism track may also be used (prerequisites must be met).

Take exactly 6 credit(s) from the following:
JOUR 3241—Creative Strategy and Copywriting (3 cr)
JOUR 3279W—Public Relations Writing and Campaign Tactics, WI (3 cr)
JOUR 3321—Basic Media Graphics (3 cr)
JOUR 3990—Special Topics in Mass Communication: Professional (1 cr)
JOUR 4193—Walter H Brovald and John Cameron Sim Community Newspaper Practicum (3 cr)
JOUR 4242—Advertising Portfolio Development (3 cr)
JOUR 4261—Advertising: Media Strategy (3 cr)
JOUR 4990—Special Topics in Mass Communication: Professional (3 cr)
JOUR 5990—Special Topics in Mass Communication: Professional (3 cr)

Context Courses
Courses must be chosen in consultation with a major adviser. Directed study and specialized topics courses may be used to meet this requirement. Students must take 12 credits, including one course at the 4xxx or 5xxx level.

Take exactly 12 credit(s) from the following:
JOUR 3xxx
JOUR 4xxx
JOUR 5xxx

Professional Journalism Track Sub-plan
The professional journalism track prepares students for careers such as news reporting, writing, editing, producing, and photojournalism in traditional and emerging media. Students must include one visual communication course in either the professional or context area of the program and take either JOUR 3006 (context course) or JOUR 3102, JOUR 3321, or JOUR 3451 (professional courses). The capstone course and the required 4xxx or 5xxx professional course fulfill the CLA major project requirement.

Required Courses for the Sub-plan

Journalism Core Courses
JOUR 3101—News Reporting and Writing (3 cr)

Capstone Course
JOUR 4171—Capstone: Covering the Arts (3 cr)
or JOUR 4193—Walter H Brovald and John Cameron Sim Community Newspaper Practicum (3 cr)
or JOUR 4451—Capstone: Advanced Electronic News Writing and Reporting (3 cr)
or JOUR 4452—Capstone: Electronic Newscast Producing (3 cr)
or JOUR 4992—Capstone: Field Based Practicum (3 cr)
or JOUR 5131—Capstone: In-Depth Reporting (3 cr)
or JOUR 5155—Capstone: Database Reporting (3 cr)
or JOUR 5174—Capstone: Magazine Editing and Production (4 cr)

Professional Courses
Courses must be chosen in consultation with a major adviser. Professional courses from the strategic communication track may also be used (prerequisites must be met). Students must take a total of 12 credits, including one course at the 4xxx or 5xxx level.

Take exactly 12 credit(s) from the following:
JOUR 3102—Convergence Journalism (3 cr)
JOUR 3121—Intermediate News Reporting (3 cr)
JOUR 3155—Publications Editing (3 cr)
JOUR 3173W—Magazine Writing, WI (3 cr)
JOUR 3321—Basic Media Graphics (3 cr)
JOUR 3541—Electronic News Writing and Reporting (3 cr)
JOUR 3990—Special Topics in Mass Communication: Professional (1 cr)
JOUR 4171—Capstone: Covering the Arts (3 cr)
JOUR 4193—Walter H Brovald and John Cameron Sim Community Newspaper Practicum (3 cr)
JOUR 4302—Electronic Photojournalism (3 cr)
JOUR 4451—Capstone: Advanced Electronic News Writing and Reporting (3 cr)
JOUR 4452—Capstone: Electronic Newscast Producing (3 cr)
JOUR 4992—Capstone: Field Based Practicum (3 cr)
JOUR 5131—Capstone: In-Depth Reporting (3 cr)
JOUR 5155—Capstone: Database Reporting (3 cr)
JOUR 5174—Capstone: Magazine Editing and Production (4 cr)
JOUR 4990—Special Topics in Mass Communication: Professional (3 cr)
JOUR 5990—Special Topics in Mass Communication: Professional (3 cr)

Context Courses
Courses must be chosen in consultation with a major adviser. Directed study and specialized topics courses may be used to meet this requirement. Students must take 12 credits, including one course at the 4xxx or 5xxx level.

Take exactly 12 credit(s) from the following:
JOUR 3xxx
JOUR 4xxx
JOUR 5xxx

Land, Nature, and Environmental Values Minor

Writing Studies
This is a free-standing minor.
- Required credits in this minor: 18.

This multidisciplinary minor serves students in CLA and other colleges who have an interest in cultural issues relating to the environment. Students are introduced to the historical development, philosophical assumptions, and imaginative expression of the human relationship to nature and are asked to consider implications of issues involving the use of nature. Students choose from a variety of courses relating some aspect of their major field to social, cultural, or historical trends in the larger society, and can include as many as 6 credits of outside electives. For assistance in planning a minor in land, nature, and environmental values, see the minor adviser in the Department of Writing. Students must complete at least 15 credits in approved courses.

Minor Requirements

Minor Courses
Take 3 or more course(s) from the following:
WRIT 3152W—Writing on Issues of Science and Technology, C/PE, WI (4 cr)
WRIT 3315—The Land in American Experience, CD, OH (3 cr)
WRIT 3302—Science, Religion, and the Search for Human Nature, OH (3 cr)
WRIT 3371—Technology, Self, and Society, C/PE, HP (3 cr)
WRIT 3404—Environmental Communication (3 cr)
Students must write an integrative paper.

Take 3 or more credit(s) from the following:
WRIT 3291—Independent Study (1–3 cr)
Electives
Take 5–6 credits of related coursework with an adviser in the Department of Writing Studies.

Latin B.A.
Classical and Near Eastern Studies
• Required credits to graduate with this degree: 120.
• Required credits within the major: 30.
Modern “Romance” languages (French, Italian, Spanish, and Portuguese) are derived from Latin, as is much English vocabulary. The Latin major allows students to enjoy a large range of literature written over more than a millennium and a half. It is concerned with the language and literature of the Roman Republic and Empire and later Latin literature from the Middle Ages to the Renaissance, as well as with Roman religion, history, archeology, 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. Latin majors who intend to continue in classics graduate studies are encouraged to study Greek as well.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
Students take either beginning or intensive Latin, or they must have 4 years of high school Latin. All students must take one course from CNES 1003, 1042, 1042H, or 1043; or another appropriate course with the approval of the director of undergraduate studies.
LAT 1002—Beginning Latin II (5 cr)
or LAT 5001—Intensive Latin (3 cr)
CNES 1003—World of Rome, HIS (3 cr)
or CNES 1042—Greek and Roman Mythology, AH (4 cr)
or CNES 1042H—Honors Course: Greek and Roman Mythology, AH, H (4 cr)
or CNES 1043—Introduction to Greek and Roman Archaeology (4 cr)

Program Requirements
Students are required to take 4 semester(s) of Latin.

Major Courses
LAT 3100, 3111, 3112, and 5001 may not be used to meet this requirement.
Take 14 or more credit(s) from the following:
LAT 3xxx
LAT 5xxx

Electives
Take 12 or more credits as described below.
Courses used to fulfill the major courses requirement may not also be used to count for the electives requirement.
Other courses in history, art history, medieval studies, or other appropriate areas may be used with the approval of the director of undergraduate studies.
GRK 3111, 3112, and 5001; and LAT 3100, 3111, 3112, and 5001 may not be used to fulfill this requirement.
CNES 3xxx–5xxx: 3 credits
Take 9 or more credit(s) from the following:
CNES 3xxx
CNES 4xxx
CNES 5xxx
GRK 3xxx
GRK 5xxx
LAT 3xxx
LAT 5xxx

Senior Project
Students can get a copy of the departmental statement on major projects from the director of undergraduate studies or department office.
Students who complete a major project for another CLA major are not required to complete a major project for Latin but may instead substitute 4 credits of elective courses with the approval of the director of undergraduate studies.
LAT 4951W—Major Project, WI (4 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Latin Minor
• Required credits in this minor: 14.
The minor program permits those who have satisfied the language requirement with Latin to more widely read Latin authors of antiquity and the Middle Ages and to add to their knowledge of Roman and medieval civilization.

Admission Requirements
Students must complete 2 courses before admission to the program.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Preparatory Courses Required for Admission
Students take either beginning or intensive Latin, or they must have four years of high school Latin. All students must take one course from CNES 1003, 1042, 1042H, or 1043; or another appropriate course with the approval of the director of undergraduate studies.
LAT 1002—Beginning Latin II (5 cr)
or LAT 5001—Intensive Latin (3 cr)
CNES 1003—World of Rome, HIS (3 cr)
or CNES 1042—Greek and Roman Mythology, OH (4 cr)
or CNES 1042H—Honors Course: Greek and Roman Mythology, OH, H (4 cr)
or CNES 1043—Introduction to Greek and Roman Archaeology (4 cr)

Minor Requirements
Minor Courses
GRK 3111, 3112, and 5001; and LAT 3100, 3111, 3112, and 5001 may not be used to fulfill this requirement.
Other courses in history, art history, medieval studies, or other appropriate areas may be used with the approval of the director of undergraduate studies.
Take 11 or more credit(s) from the following:
LAT 3xxx
LAT 5xxx
Take 3 or more credit(s) from the following:
CNES 3xxx
CNES 4xxx
Latin American Studies Minor

Institute for Global Studies

This is a free-standing minor.

- Required credits in this minor: 15.

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. Additional information may be found at http://igs.cla.umn.edu.

Minor Requirements

Students are required to take 4 semester(s) of Spanish, Portuguese. 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 global studies adviser.

Preparatory Courses

Complete either the SPAN or PORT course sequences.

- SPAN 1001—Beginning Spanish (5 cr)
- SPAN 1002—Beginning Spanish (5 cr)
- SPAN 1003—Intermediate Spanish (5 cr)
- SPAN 1004—Intermediate Spanish (5 cr)
- SPAN 1004—Business Spanish (5 cr)
- SPAN 1044—Intermediate Medical Spanish (5 cr)
- PORT 1101—Beginning Portuguese (5 cr)
- PORT 1102—Beginning Portuguese (5 cr)
- PORT 1103—Intermediate Portuguese (5 cr)
- PORT 1104—Intermediate Portuguese (5 cr)

Minor Courses

- GEOG 4121W—Latin America, WI (4 cr)
- Two courses (6 cr) in the humanities related to Latin America as a region or a specific Latin American country, chosen in consultation with a global studies adviser.
- One course (3 cr) focusing on any aspect of Latin America, chosen in consultation with a global studies adviser.
- HIST 3401W—Early Latin America to 1825, HIS, GP, WI (4 cr)
- HIST 3402W—Modern Latin America 1825 to Present, HP, IP, WI (4 cr)

Learning Abroad Minor

College of Liberal Arts

This is a free-standing minor.

- Required credits in this minor: 12.

The minor helps students integrate their study abroad with supporting University coursework from a variety of disciplines. Since some of the required courses must be taken before departure, careful advance planning is essential. A detailed explanation of requirements and guidance concerning course selection is available from the academic advisers at the Learning Abroad Center in 230 Heller Hall. For more information call 612-626-9000 or 888-700-UOFM, email UMabroad@umn.edu, or visit www.UMabroad.umn.edu.

Minor Requirements

Students are required to take 4 semester(s) of a language appropriate to country of study.

Minor Courses

- COMM 3451 must be taken before departure to study abroad, and COMM 3452 must be taken upon return.
- COMM 3451W—Intercultural Communication: Theory and Practice, IP, WI (3 cr)
- COMM 3452W—Communication and the Intercultural Reentry, WI (3 cr)

Linguistics B.A.

Institute of Linguistics

- Required credits to graduate with this degree: 120.
- Required credits within the major: 37.

Linguistics is the scientific study of human language. Courses explore the principles governing the structure of natural languages, how languages are acquired by children and adults, the role of language in human cognition and social interaction, and how languages change over time.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Major Courses

- LING 4002—Linguistic Analysis (3 cr)
- LING 5201—Syntactic Theory I (3 cr)
- LING 5302—Phonological Theory I (3 cr)
- LING 3001—Introduction to Linguistics (4 cr)
- or LING 5001—Introduction to Linguistics (4 cr)
- LING 3601—Historical Linguistics (3 cr)
- or LING 5601—Historical Linguistics (3 cr)
- or Complete one course in the history and/or structure of a language.

Electives

Any LING course not used for Group A may be used to complete the 9 credits for Group B, provided that no more than 3 credits are 1xxx. Up to 6 credits in Group B may be from an allied discipline if approved by the director of undergraduate studies.

Group A

Take 9 or more credit(s) from the following:

- LING 5105—Field Methods in Linguistics I (4 cr)
- LING 5106—Field Methods in Linguistics II (4 cr)
- LING 5202—Syntax II (3 cr)
- LING 5205—Semantics (3 cr)
- LING 5206—Linguistic Pragmatics (3 cr)
- LING 5303—Phonology II (3 cr)

Group B

Take 9 or more credit(s) from the following:

- LING 1xxx
- LING 2xxx
- LING 3xxx
- LING 4xxx
- LING 5xxx
Senior Project
Complete LING 4901W (honors students take LING 3051H or 3052V) with at least a grade of S. The usual requirement for this course is the revision and expansion of a paper written for another linguistics course, but it may involve an original research paper. Students complete this paper in a seminar offered each spring semester. The topic should be approved by the course instructor before registration for the seminar.
LING 4901W—Major Project Seminar, WI (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Linguistics Minor
• Required credits in this minor: 16.
Linguistics is the scientific study of human language. Courses explore the principles governing the structure of natural languages, how languages are acquired by children and adults, the role of language in human cognition and social interaction, and how languages change over time.

Minor Requirements
The minor program must be approved by the director of undergraduate studies.

Minor Courses
LING 3001—Introduction to Linguistics, SSCI (4 cr)
LING 4002—Linguistic Analysis (3 cr)
Take 6 or more credit(s) from the following:
LING 3xx
LING 4xx
LING 5xx
LING 5201—Syntactic Theory I (3 cr)
or LING 5302—Phonological Theory I (3 cr)

Mass Communication Minor
School of Journalism and Mass Communication
This is a free-standing minor.
• Required credits in this minor: 18.
This minor serves students who wish to study the social, political, economic, and legal aspects of mass communication.

Admission Requirements
A GPA above 2.00 is preferred for the following:
• 3.00 for students transferring from another University of Minnesota college.
• 3.00 for students transferring from outside the University.
This program is highly competitive and admission is restricted for space reasons.
Students seeking a minor in mass communication must consult the School of Journalism and Mass Communication website at http://sjmc.umn.edu/minors. Qualifications for admission are a B average, and a grade of “C” or better in JOUR 1001. When these criteria have been met, an adviser in Room 110 Murphy Hall will approve a minor program plan.

Preparatory Course
JOUR 1001—Introduction to Mass Communication, SOCS (3 cr)

Minor Requirements

Minor Courses
JOUR 3004W—Information for Mass Communication, WI (3 cr)
JOUR 3101—News Reporting and Writing (3 cr)
or JOUR 3201—Principles of Strategic Communication: Advertising (3 cr)
or JOUR 3202—Principles of Strategic Communication: Public Relations (3 cr)
Students must take three context courses, at least one course at 4xxx or 5xxx.
Take 3 or more course(s) from the following:
JOUR 3xxx
JOUR 4xxx
JOUR 5xxx

Mathematics B.A.
School of Mathematics
• Required credits to graduate with this degree: 120.
• Required credits within the major: 41.
The School of Mathematics offers a program in the College of Liberal Arts leading to a bachelor of arts degree. The course of study is flexible and may be adapted to satisfy a wide variety of interests and needs. Students may prepare for graduate study in mathematics or may emphasize various fields of interest, such as preparation for secondary school teaching; actuarial science; or programs in applied mathematics, including industrial mathematics, biology, mathematics applicable to computer science, and numerical analysis. Programs for the actuarial science, secondary school teaching, and computer science specializations earn a designation that appears on the diploma.

Admission Requirements
Students must complete 1 courses before admission to the program.
One 2xxx mathematics course must be completed before admission to the major.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Major Courses
Students in the honors program should substitute the honors calculus sequence (Math 1571H, 1572H, 2573H and 2574H) for these courses.
Calculus Sequence
MATH 1271—Calculus I (4 cr)
or MATH 1371—IT Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
or MATH 1372—IT Calculus II (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
or MATH 2373—IT Linear Algebra and Differential Equations (4 cr)
MATH 2263—Multivariable Calculus (4 cr)
or MATH 2374—IT Multivariable Calculus and Vector Analysis (4 cr)
MATH 2283—Sequences, Series, and Foundations (3 cr)
or MATH 3283W—Sequences, Series, and Foundations: Writing Intensive, WI (4 cr)

Senior Project
Students should consult with a mathematics adviser prior to beginning the senior year.
MATH 4997W—Senior project (Writing Intensive), WI (1 cr)
MATH 4995—Senior Project for CLA (1 cr)
or Senior Project

Mathematics Options
Students are required to complete one of the following course groups.

Mathematics (No Specialization)
Students who do not choose one of the other specializations must complete the basic requirements listed here.
Take 6 or more course(s) including 2 or more sub-requirement(s) from the following:

Algebra Sequence
Take 2 or more course(s) from the following:
Take 1 or more course(s) from the following:
MATH 4281—Introduction to Modern Algebra (4 cr)
MATH 5248—Cryptography and Number Theory (4 cr)
MATH 5251—Error-Correcting Codes, Finite Fields, Algebraic Curves (4 cr)
MATH 5285H—Honors: Fundamental Structures of Algebra I, H (4 cr)
MATH 5286H—Honors: Fundamental Structures of Algebra II, H (4 cr)
MATH 5385—Introduction to Computational Algebraic Geometry (4 cr)

Take 0 or more course(s) from the following:
MATH 4242—Applied Linear Algebra (4 cr)
MATH 5705—Enumerative Combinatorics (4 cr)
MATH 5102—Theory of Statistics II (4 cr)
MATH 5383—Introduction to Computational Algebraic Geometry (4 cr)
MATH 5485—Introduction to Numerical Methods I (4 cr)

Analysis Sequence
Take 2 or more course(s) from the following:
MATH 4606—Advanced Calculus (4 cr)
MATH 5486—Introduction To Numerical Methods II (4 cr)
MATH 5525—Introduction to Ordinary Differential Equations (4 cr)
MATH 5533—Dynamical Systems and Chaos (4 cr)
MATH 5595—Complex Analysis (4 cr)
MATH 5587—Elementary Partial Differential Equations I (4 cr)
MATH 5588—Elementary Partial Differential Equations II (4 cr)
MATH 5652—Introduction to Stochastic Processes (4 cr)
MATH 5654—Prediction and Filtering (4 cr)
MATH 5615—Honors: Introduction to Analysis I, H (4 cr)
MATH 5616H—Honors: Introduction to Analysis II, H (4 cr)
MATH 5651—Basic Theory of Probability and Statistics (4 cr)
or STAT 5101—Theory of Statistics I (4 cr)

Additional Electives
Take 0 or more course(s) from the following:
MATH 4xx
MATH 5xx

Actuarial Science Specialization
Complete the requirements for the Actuarial Science Sub-plan.

Mathematics Education Specialization
Complete the requirements for the Mathematics Education Sub-plan.

Computer Applications Specialization
Complete the requirements for the Computer Applications Sub-plan.

Program Sub-plans
A sub-plan is not required for this program.

Actuarial Science Sub-plan

Required Courses for the Sub-plan

Math and Computer Science
MATH 4065—Theory of Interest (3 cr)
MATH 5067—Actuarial Mathematics I (4 cr)
MATH 5068—Actuarial Mathematics II (4 cr)
or CSCI 1103—Introduction to Computer Programming in Java (4 cr)
or CSCI 1113—Introduction to C/C++ Programming for Scientists and Engineers (4 cr)
MATH 5651—Basic Theory of Probability and Statistics (4 cr)
or STAT 5101—Theory of Statistics I (4 cr)
MATH 5652—Introduction to Stochastic Processes (4 cr)
or STAT 5102—Theory of Statistics II (4 cr)
MATH 4242—Applied Linear Algebra (4 cr)

Take 0 or more course(s) from the following:
MATH 4281—Introduction to Modern Algebra (4 cr)
MATH 5248—Cryptography and Number Theory (4 cr)
MATH 5251—Error-Correcting Codes, Finite Fields, Algebraic Curves (4 cr)
MATH 5285H—Honors: Fundamental Structures of Algebra I, H (4 cr)
MATH 5286H—Honors: Fundamental Structures of Algebra II, H (4 cr)
MATH 5383—Introduction to Computational Algebraic Geometry (4 cr)
MATH 5711—Linear Programming and Combinatorial Optimization (4 cr)

Economics and Business
ACCT 2050—Introduction to Financial Reporting (4 cr)
ECON 3101—Intermediate Microeconomics (4 cr)
FINA 3101—Finance Fundamentals (3 cr)
ECON 4751—Financial Economics (3 cr)

Take one of the following pairs of courses.
ECON 1101—Principles of Microeconomics, SSCI (4 cr)
and ECON 1102—Principles of Macroeconomics, IP, SSCI (4 cr)
or ECON 1104—Principles of Microeconomics (4 cr)
and ECON 1105—Principles of Macroeconomics (4 cr)

Take 0 or more course(s) from the following:
INS 4100—Corporate Risk Management (2 cr)
INS 4101—Employee Benefits (2 cr)
INS 4200—Insurance Theory and Practice (2 cr)

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.
Computer Applications Sub-plan

Required Courses for the Sub-plan

Computing Applications

MATH 5486 may be used to count towards the analysis distribution requirement and MATH 5485 towards the algebra requirement.

CSCI 2011—Discrete Structures of Computer Science (4 cr)
MATH 5165—Mathematical Logic I (4 cr)
MATH 5485—Introduction to Numerical Methods I (4 cr)
MATH 5486—Introduction To Numerical Methods II (4 cr)
CSCI 1103—Introduction to Computer Programming in Java (4 cr)
or CSCI 1113—Introduction to C/C++ Programming for Scientists and Engineers (4 cr)
or CSCI 1901—Structure of Computer Programming I (4 cr)

Additional Mathematics

Take 3 or more course(s) from the following:

Additional Algebra Course

Take 1 or more course(s) from the following:
MATH 4281—Introduction to Modern Algebra (4 cr)
MATH 5248—Cryptography and Number Theory (4 cr)
MATH 5251—Error-Correcting Codes, Finite Fields, Algebraic Curves (4 cr)
MATH 5285H—Honors: Fundamental Structures of Algebra I, H (4 cr)
MATH 5286H—Honors: Fundamental Structures of Algebra II, H (4 cr)
MATH 5385—Introduction to Computational Algebraic Geometry (4 cr)

Additional Analysis Course

Take 1 or more course(s) from the following:
MATH 4606—Advanced Calculus (4 cr)
MATH 5525—Introduction to Ordinary Differential Equations (4 cr)
MATH 5535—Dynamical Systems and Chaos (4 cr)
MATH 5583—Complex Analysis (4 cr)
MATH 5587—Elementary Partial Differential Equations I (4 cr)
MATH 5588—Elementary Partial Differential Equations II (4 cr)
MATH 5652—Introduction to Stochastic Processes (4 cr)
MATH 5654—Prediction and Filtering (4 cr)
MATH 5651H—Honors: Introduction to Analysis I, H (4 cr)
MATH 5651H—Honors: Introduction to Analysis II, H (4 cr)
MATH 5651—Basic Theory of Probability and Statistics (4 cr)
or STAT 5101—Theory of Statistics I (4 cr)

Upper Division Computer Science

Take 3 or more course(s) from the following:
CSCI 4041—Algorithms and Data Structures (4 cr)
CSCI 5107—Fundamentals of Computer Graphics 1 (3 cr)
CSCI 5108—Fundamentals of Computer Graphics II (3 cr)
CSCI 5403—Computational Complexity (3 cr)
CSCI 5421—Advanced Algorithms and Data Structures (3 cr)
CSCI 5511—Artificial Intelligence I (3 cr)
CSCI 5521—Pattern Recognition (3 cr)
CSCI 5512—Artificial Intelligence II (3 cr)

Education Sub-plan

Seven math courses are chosen specifically for preparation to teach in secondary education, including two courses from the algebra list and two courses from the analysis list. MATH 4707 will be accepted as an algebra course only for students completing this specialization.

Required Courses for the Sub-plan

Mathematics

These courses fulfill both the algebra and analysis requirements.

MATH 5335—Geometry I (4 cr)

Mathematics Minor

• Required credits in this minor: 20 to 26.

Students complete all the lower division requirements in the mathematics major, plus two upper division electives. See the mathematics major description for information on the utility of a mathematics degree.

Minor Requirements

Minor Courses

MATH 1371—IT Calculus I, MATH (4 cr)
or MATH 1271—Calculus I, MATH (4 cr)
MATH 1372—IT Calculus II (4 cr)
or MATH 1272—Calculus II (4 cr)
MATH 2373—IT Linear Algebra and Differential Equations (4 cr)
or MATH 2243—Linear Algebra and Differential Equations (4 cr)
MATH 2374—IT Multivariable Calculus and Vector Analysis (4 cr)
or MATH 2263—Multivariable Calculus (4 cr)
MATH 2283—Sequences, Series, and Foundations (3 cr)
or MATH 3283W—Sequences, Series, and Foundations: Writing Intensive, W1 (4 cr)
or
Honors Sequence

MATH 1571H—Honors Calculus I, MATH, H (4 cr)
MATH 1572H—Honors Calculus II, H (4 cr)
MATH 2573H—Honors Calculus III, H (4 cr)
MATH 2574H—Honors Calculus IV, H (4 cr)

Electives

Selection of MATH course electives for the minor requires department adviser approval.

Take 2 or more course(s) from the following:
MATH 3xxx
MATH 4xxx
MATH 5xxx
or STAT 5101—Theory of Statistics I (4 cr)
STAT 5102—Theory of Statistics II (4 cr)

Medieval Studies Minor

Center for Medieval Studies

This is a free-standing minor.

• Required credits in this minor: 15.

The minor covers the period of roughly between 300 and 1500 B.C.E. 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 who are planning to pursue graduate work in one of the related areas to concentrate their studies as a coherent whole.
Minor Requirements

Minor Courses
Courses must be 3xx, 4xxx, or 5xxx, chosen from approved course lists in consultation with the director of undergraduate studies of CLA's Center for Medieval Studies. All applicable courses originate in other departments. Many of these are cross-listed as MEST 3610, MEST 4610, and MEST 5610. A list of appropriate courses is available at the Center for Medieval Studies.

Music B.A.

School of Music
- Required credits to graduate with this degree: 120.
- Required credits within the major: 34.
The B.A. program is for students who wish to major in music within a broad liberal arts degree program.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Music Theory and Ear Training
MUS 1501—Theory and Analysis of Tonal Music I (2 cr)
MUS 1502—Theory and Analysis of Tonal Music II (2 cr)
MUS 1511—Ear-Training and Sight-Singing I (1 cr)
MUS 1512—Ear-Training and Sight-Singing II (1 cr)
MUS 3501—Theory and Analysis of Tonal Music III (2 cr)
MUS 3511—Ear-Training and Sight-Singing III (1 cr)

Musicology/Ethnomusicology
Ethnomusicology

MUS 1801W—Music, Society, and Cultures, AH, WI (3 cr)
or MUS 1804—World Music, AH, GP (3 cr)

History of Western Music
MUS 3601W—History of Western Music I, WI (3 cr)
MUS 3602W—History of Western Music II, WI (3 cr)
MUS 3603W—History of Western Music III, WI (3 cr)

Keyboard
For non-keyboard majors, MUS 1155 may be substituted for MUS 1151-1152.
MUS 1155—Keyboard Skills I (2 cr)
or MUS 1151—Piano Class Lessons I (2 cr)
MUS 1152—Piano Class Lessons II (2 cr)

Performance Requirement
The performance requirement may be fulfilled by School of Music ensemble credits, private or group lesson instruction credits (beyond keyboard requirement), or composition lessons.
Performance Requirement (minimum 1 cr)

Electives
Take 9 or more credit(s) from the following:
MUS 1013—Rock I: The Historical Origins and Development of Rock Music to 1970, CD, OH (3 cr)
MUS 1014—Rock II: Rock Music from 1970 to the Present, DSJ, AH (3 cr)
MUS 3xx
MUS 4xx
MUS 5xx

Research and Senior Project
MUS 3995—Major Project (1 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Music B.Mus.

School of Music
- Required credits to graduate with this degree: 120 to 125.
- Required credits within the major: 74 to 98.
The B.Mus. in performance is a professional degree in which music courses make up approximately 75 percent of the program.

Admission Requirements
Admission to a music program is contingent on passing an audition. Auditions are highly competitive with students normally having studied for a number of years: a minimum of three to four years in voice, guitar, or on an orchestral or band instrument, eight to twelve years on piano. Auditions are held throughout the academic year. Incoming freshmen normally audition during the winter of their senior year of high school; transfer students, one semester prior to the term in which they plan to enroll.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Music Theory and Ear Training
MUS 1501—Theory and Analysis of Tonal Music I (2 cr)
MUS 1502—Theory and Analysis of Tonal Music II (2 cr)
MUS 1511—Ear-Training and Sight-Singing I (1 cr)
MUS 1512—Ear-Training and Sight-Singing II (1 cr)
MUS 3501—Theory and Analysis of Tonal Music III (2 cr)
MUS 3511—Ear-Training and Sight-Singing III (1 cr)
or MUS 3502—Theory and Analysis of Tonal Music IV (2 cr)
or MUS 3512—Ear-Training and Sight-Singing IV (1 cr)
or MUS 4504—Intensive Theory and Analysis of 20th-Century Music (2 cr)
or MUS 5541—16th-Century Counterpoint (3 cr)
or MUS 4502—18th-Century Counterpoint (3 cr)
or MUS 4503—Theory and Analysis of Tonal Music V (3 cr)
or MUS 4505—Jazz Theory (3 cr)

Musicology/Ethnomusicology

MUS 1801W—Music, Society, and Cultures, AH, WI (3 cr)
or MUS 1804—World Music, AH, GP (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.
Conducting
MUS 3401—Basic Conducting (2 cr)

Recital
MUS 901—Junior Recital (0 cr)
MUS 951—Senior Recital (0 cr)

Instrumental/Vocal Specializations
Students are required to complete one of the following course groups.

Classical Guitar
Credit requirements in each course group must be satisfied by taking the courses for multiple semesters.

Keyboard
Take either MUS 1155 or both MUS 1151-1152.
MUS 1155—Keyboard Skills I (2 cr)
or MUS 1151—Piano: Class Lessons I (2 cr)
and MUS 1152—Piano: Class Lessons II (2 cr)

Applied Music
Take 32 or more credit(s) from the following:
Take 8 or more credit(s) from the following:
MUSA 1323—Guitar—Major (2–4 cr)
Take 8 or more credit(s) from the following:
MUSA 2323—Guitar-Performance Major (2–4 cr)
Take 16 or more credit(s) from the following:
MUSA 3323—Guitar—Major (2–4 cr)

Ensemble
Take 2 or more course(s) from the following:
MUS 3410—University Wind Bands (1 cr)
MUS 3420—Orchestra (1 cr)
MUS 3230—Chorus (1–2 cr)
MUS 5240—University Singers (1 cr)

Take 2 or more course(s) from the following:
MUS 3440—Chamber Ensemble (1 cr)

Electives
Take 1 or more credit(s) from the following:
MUS 1xxx
MUS 2xxx
MUS 3xxx

Harp
Credit requirements in each course group must be satisfied by taking the courses for multiple semesters.

Keyboard
Take either MUS 1155 or both MUS 1151-1152.
MUS 1155—Keyboard Skills I (2 cr)
or MUS 1151—Piano: Class Lessons I (2 cr)
and MUS 1152—Piano: Class Lessons II (2 cr)

Applied Music
Take 32 or more credit(s) from the following:
Take 8 or more credit(s) from the following:
MUSA 1322—Harp—Major (2–4 cr)
Take 8 or more credit(s) from the following:
MUSA 2322—Harp-Performance Major (2–4 cr)
Take 16 or more credit(s) from the following:
MUSA 3322—Harp—Major (2–4 cr)

Ensemble
Take 6 or more course(s) from the following:
MUS 3230—Chorus (1–2 cr)
MUS 5240—University Singers (1 cr)

String, Woodwind, Brass, Percussion
Credit requirements in each course group must be satisfied by taking the courses for multiple semesters.

Keyboard
Take either MUS 1155 or both MUS 1151-1152.
MUS 1155—Keyboard Skills I (2 cr)
or MUS 1151—Piano: Class Lessons I (2 cr)
and MUS 1152—Piano: Class Lessons II (2 cr)

Take 1 or more credit(s) from the following:
MUS 1xxx
MUS 2xxx
MUS 3xxx
Applied Music

Take 32 or more credit(s) from the following:

Take 8 or more credit(s) from the following:
- MUSA 1305—Violin—Major (2–4 cr)
- MUSA 1306—Viola—Major (2–4 cr)
- MUSA 1307—Cello—Major (2–4 cr)
- MUSA 1308—Double Bass—Major (2–4 cr)
- MUSA 1309—Flute-Major (2–4 cr)
- MUSA 1311—Oboe—Major (2–4 cr)
- MUSA 1312—Clarinet—Major (2–4 cr)
- MUSA 1313—Saxophone—Major (2–4 cr)
- MUSA 1314—Bassoon—Major (2–4 cr)
- MUSA 1315—French Horn—Major (2–4 cr)
- MUSA 1316—Trumpet—Major (2–4 cr)
- MUSA 1317—Trombone—Major (2–4 cr)
- MUSA 1318—Euphonium—Major (2–4 cr)
- MUSA 1319—Tuba—Major (2–4 cr)
- MUSA 1321—Percussion—Major (2–4 cr)

Take 8 or more credit(s) from the following:
- MUSA 2305—Violin-Performance Major (2–4 cr)
- MUSA 2306—Viola-Performance Major (2–4 cr)
- MUSA 2307—Cello-Performance Major (2–4 cr)
- MUSA 2308—Double Bass—Performance Major (2–4 cr)
- MUSA 2309—Flute-Performance Major (2–4 cr)
- MUSA 2311—Oboe—Performance Major (2–4 cr)
- MUSA 2312—Clarinet-Performance Major (2–4 cr)
- MUSA 2313—Saxophone-Performance Major (2–4 cr)
- MUSA 2314—Bassoon-Performance Major (2–4 cr)
- MUSA 2315—French Horn-Performance Major (2–4 cr)
- MUSA 2316—Trumpet-Performance Major (2–4 cr)
- MUSA 2317—Trombone-Performance Major (2–4 cr)
- MUSA 2318—Euphonium—Performance Major (2–4 cr)
- MUSA 2319—Tuba-Performance Major (2–4 cr)
- MUSA 2321—Percussion—Performance Major (2–4 cr)

Take 16 or more credit(s) from the following:
- MUSA 3305—Violin—Major (2–4 cr)
- MUSA 3306—Viola—Major (2–4 cr)
- MUSA 3307—Cello—Major (2–4 cr)
- MUSA 3308—Double Bass—Major (2–4 cr)
- MUSA 3309—Flute—Major (2–4 cr)
- MUSA 3311—Oboe—Major (2–4 cr)
- MUSA 3312—Clarinet—Major (2–4 cr)
- MUSA 3313—Saxophone—Major (2–4 cr)
- MUSA 3314—Bassoon—Major (2–4 cr)
- MUSA 3315—French Horn—Major (2–4 cr)
- MUSA 3316—Trumpet—Major (2–4 cr)
- MUSA 3317—Trombone—Major (2–4 cr)
- MUSA 3318—Euphonium—Major (2–4 cr)
- MUSA 3319—Tuba—Major (2–4 cr)
- MUSA 3321—Percussion—Major (2–4 cr)

Take 8 or more credit(s) from the following:
- MUSA 3321—Percussion—Major (2–4 cr)
- MUSA 3319—Tuba—Major (2–4 cr)
- MUSA 3318—Euphonium—Major (2–4 cr)
- MUSA 3317—Trombone—Major (2–4 cr)
- MUSA 3316—Trumpet—Major (2–4 cr)
- MUSA 3315—French Horn—Major (2–4 cr)
- MUSA 3314—Trombone—Major (2–4 cr)
- MUSA 3313—Euphonium—Major (2–4 cr)
- MUSA 3312—Tuba—Major (2–4 cr)
- MUSA 3311—Percussion—Major (2–4 cr)

Keyboard

Take either MUS 1155 or both MUS 1151-1152.
- MUS 1155—Keyboard Skills I (2 cr)
- or MUS 1151—Piano: Class Lessons I (2 cr)
- and MUS 1152—Piano: Class Lessons II (2 cr)

Ensemble 1

One course each semester for a total of 8 or more courses.

Take 6 or more course(s) from the following:
- MUS 3230—Chorus (1–2 cr)
- MUS 5230—Chorus (1–2 cr)
- MUS 5240—University Singers (1 cr)

Take 2 or more course(s) from the following:
- MUS 5250—Opera Workshop and Ensemble (2 cr)
- and MUS 5280—Opera Theatre (2 cr)

Applied Music

Take 32 or more credit(s) from the following:

Take 8 or more credit(s) from the following:
- MUSA 1304—Voice—Major (2–4 cr)

Take 8 or more credit(s) from the following:
- MUSA 2304—Voice-Performance Major (2–4 cr)

Take 16 or more credit(s) from the following:
- MUSA 3304—Voice—Major (2–4 cr)

Diction and Vocal Literature

MUS 3241—Vocal Literature (German Lieder) and Pedagogy (1 cr)
- MUS 3242—Vocal Literature (French Melodie) and Pedagogy (1 cr)
- MUS 2661—Italian Diction for Singers (1 cr)
- MUS 2662—English Diction for Singers (1 cr)
- MUS 2663—German Diction for Singers (1 cr)
- MUS 2664—French Diction for Singers (1 cr)

Language

FREN 1001—Beginning French (5 cr)
- GER 1001—Beginning German (5 cr)
- ITAL 1001—Beginning Italian (5 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at

www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Music Education B.Mus.

School of Music

• Required credits to graduate with this degree: 120.
• Required credits within the major: 92.

The degree in music education is offered with two concentrations: instrumental/general music K-12 and choral/general. The instrumental/general concentration requires that a student be admitted via the audition on an orchestral or band instrument; the choral/general concentration requires that a student be...
admitted in voice, piano, organ, or classical guitar. Completion of the degree in music education culminates in eligibility for state licensure in the concentration area.

**Admission Requirements**

Admission to a music program is contingent on passing an audition. Auditions are highly competitive with students normally having studied for a number of years: a minimum of three to four years in voice, guitar, or on an orchestral or band instrument, eight to twelve years on piano. Auditions are held throughout the academic year. Incoming freshmen normally take the audition during the winter of their senior year of high school; transfer students, one semester prior to the term in which they plan to enroll. Students applying for the program in music education are also required to pass an interview with the music education faculty.

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.umn.edu).

**Program Requirements**

**Music Theory and Ear Training**

- MUS 1501—Theory and Analysis of Tonal Music I (2 cr)
- MUS 1502—Theory and Analysis of Tonal Music II (2 cr)
- MUS 1511—Ear-Training and Sight-Singing I (1 cr)
- MUS 1512—Ear-Training and Sight-Singing II (1 cr)
- MUS 3501—Theory and Analysis of Tonal Music III (2 cr)
- MUS 3502—Theory and Analysis of Tonal Music IV (2 cr)
- MUS 3511—Ear-Training and Sight-Singing III (1 cr)
- MUS 3512—Ear-Training and Sight-Singing IV (1 cr)
- MUS 5541—16th-Century Counterpoint (3 cr)
- or MUS 4502—18th-Century Counterpoint (3 cr)
- or MUS 4505—Jazz Theory (3 cr)

**Musicology/Ethnomusicology**

- MUS 1801W—Music, Society, and Cultures, AH, W1 (3 cr)
- MUS 3601W—History of Western Music I, W1 (3 cr)
- MUS 3602W—History of Western Music II, W1 (3 cr)
- MUS 3603W—History of Western Music III, W1 (3 cr)

**Keyboard**

For non-keyboard majors, MUS 1155 may be substituted for MUS 1151-1152.

Keyboard majors take MUS 1155-1156.

- MUS 1155—Keyboard Skills I (2 cr)
- or MUS 1151—Piano: Class Lessons I (2 cr)
- and MUS 1152—Piano: Class Lessons II (2 cr)
- or MUS 1155—Keyboard Skills I (2 cr)
- and MUS 1156—Keyboard Skills II (2 cr)

**Professional Education**

- CI 5452—Reading in the Content Areas for Initial Licensure Candidates (1 cr)
- EDHD 5003—Developmental and Individual Differences in Educational Contexts (2 cr)
- EDHD 5004—Teaching Students With Special Needs in Inclusive Settings (2 cr)
- EDHD 5005—School and Society (2 cr)
- EDHD 5009—Human Relations: Applied Skills for School and Society (1 cr)
- EDHD 5001—Learning, Cognition, and Assessment (3 cr)
- or EPSY 3119—Learning, Cognition, and Assessment (3 cr)

**Take 1 or more course(s) from the following:**

- PUBH 3005—Fundamentals of Alcohol and Drug Abuse for Teacher Education (1 cr)
- PUBH 3003—Fundamentals of Alcohol and Drug Abuse (2 cr)

**Program Sub-plans**

Students are required to complete one of the following sub-plans. *(Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)*

**Choral/General Music Education Sub-plan**

This program is for students majoring in voice, piano, organ, 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 in grades K-12 in Minnesota.

**Required Courses for the Sub-plan**

**Major Courses**

- MUED 1201—Introduction to Music Teaching and Learning (1 cr)
- MUED 1202—Experiences in Music Teaching and Learning (2 cr)
- MUED 3301—General Music I (3 cr)
- MUED 3302—General Music II (3 cr)
- MUED 3415—Choral Conducting and Methods I (4 cr)
- MUED 3416—Choral Conducting and Methods II (4 cr)
- MUED 3419—Advanced Conducting and Repertoire (Choral) (2 cr)
- MUED 5350—Student Teaching in Classroom Music (4–8 cr)
- MUED 5450—Student Teaching in Vocal Music (4–8 cr)
- MUED 5650—Student Teaching Seminar (2 cr)

**Ensemble Requirements**

- MUS 3230 or MUS 5240 is required for a minimum of seven semesters (1 credit each semester), selected in consultation with an adviser.

**Take 7 or more credit(s) from the following:**

- MUS 3230—Chorus (1–2 cr)
- MUS 5240—University Singers (1 cr)

**Conducting**

- MUS 3401—Basic Conducting (2 cr)

**Instrument Focus**

Students are required to complete one of the following course groups.

**Voice**

Each chosen course should be taken for 4 credits per term, for the number of semesters needed to reach the stated minimum credit requirement. *(For example, Voice 1xxx should be taken for two semesters at 4 credits per term to meet the 8 credit requirement.)*

**Applied Voice**

- Take 28 or more credit(s) from the following:

**Voice 1xxx**

- Take 8 or more credit(s) from the following:

**Voice 3xxx**

- Take 12 or more credit(s) from the following:

**Applied Piano**

- Take 4 or more credit(s) from the following:

**Piano**

Each chosen course should be taken for 4 credits per term, for the number of semesters needed to reach the stated minimum credit requirement. *(For example, Piano 1xxx should be taken for two semesters at 4 credits per term to meet the 8 credit requirement.)*
Applied Piano
Take 28 or more credit(s) from the following:

Piano 1xxx
Take 8 or more credit(s) from the following:
MUSA 1301—Piano—Major (2–4 cr)
Take 8 or more credit(s) from the following:
MUSA 2301—Piano-Performance Major (2–4 cr)

Piano 3xxx
Take 12 or more credit(s) from the following:
MUSA 3301—Piano—Major (2–4 cr)

Applied Voice
Take 4 or more credit(s) from the following:
MUSA 1404—Voice—Secondary (2–4 cr)

Guitar
Each chosen course should be taken for 4 credits per term, for the number of semesters needed to reach the stated minimum credit requirement. (For example, Guitar 1xxx should be taken for two semesters at 4 credits per term to meet the 8 credit requirement.)

Applied Guitar
Take 28 or more credit(s) from the following:
Guitar 1xxx
Take 8 or more credit(s) from the following:
MUSA 1323—Guitar—Major (2–4 cr)
Take 8 or more credit(s) from the following:
MUSA 2323—Guitar-Performance Major (2–4 cr)
Guitar 3xxx
Take 12 or more credit(s) from the following:
MUSA 3323—Guitar—Major (2–4 cr)

Applied Piano
Take 4 or more credit(s) from the following:
MUSA 1401—Piano—Secondary (2–4 cr)

Instrumental/General Music Education Sub-plan
Students successfully completing the program will meet licensure requirements to teach band, orchestra, and general classroom music in grades K-12 in Minnesota.

Required Courses for the Sub-plan

Major Courses
MUED 1201—Introduction to Music Teaching and Learning (1 cr)
MUED 1202—Experiences in Music Teaching and Learning (2 cr)
MUED 3301—General Music I (3 cr)
MUED 3302—General Music II (3 cr)
MUED 3502—String Techniques and Teaching (2 cr)
MUED 3503—Woodwind Techniques and Teaching (2 cr)
MUED 3504—Brass Techniques and Teaching (2 cr)
MUED 3505—Percussion Techniques and Teaching (2 cr)
MUED 3516—Instrumental Methods and Conducting I (4 cr)
MUED 3517—Beginning Instrumental Methods and Materials (4 cr)
MUED 3519—Advanced Conducting and Repertoire (Instrumental) (2 cr)
MUED 5350—Student Teaching in Classroom Music (4–8 cr)
MUED 5550—Student Teaching in Instrumental Music (4–8 cr)
MUED 5650—Student Teaching Seminar (2 cr)

Applied Music
Students must complete two semesters at 4 credits per term of 13xx courses, two semesters at 4 credits per term of 23xx courses, and three semesters at 4 credits per term of 33xx course.
MUS 1260—Voice Class (2 cr)
or
MUSA 1404—Voice—Secondary (2–4 cr)

Take 8 or more credit(s) from the following:
MUSA 1305—Violin—Major (2–4 cr)
MUSA 1306—Viola—Major (2–4 cr)
MUSA 1307—Cello—Major (2–4 cr)
MUSA 1308—Double Bass—Major (2–4 cr)
MUSA 1309—Flute—Major (2–4 cr)
MUSA 1311—Oboe—Major (2–4 cr)
MUSA 1312—Clarinet—Major (2–4 cr)
MUSA 1313—Saxophone—Major (2–4 cr)
MUSA 1314—Bassoon—Major (2–4 cr)
MUSA 1315—French Horn—Major (2–4 cr)
MUSA 1316—Trumpet—Major (2–4 cr)
MUSA 1317—Trombone—Major (2–4 cr)
MUSA 1318—Euphonium—Major (2–4 cr)
MUSA 1319—Tuba—Major (2–4 cr)
MUSA 1321—Percussion—Major (2–4 cr)
MUSA 1322—Harp—Major (2–4 cr)

Take 8 or more credit(s) from the following:
MUSA 2305—Violin-Performance Major (2–4 cr)
MUSA 2306—Viola-Performance Major (2–4 cr)
MUSA 2307—Cello-Performance Major (2–4 cr)
MUSA 2308—Double Bass—Performance Major (2–4 cr)
MUSA 2309—Flute-Performance Major (2–4 cr)
MUSA 2311—Oboe—Performance Major (2–4 cr)
MUSA 2312—Clarinet-Performance Major (2–4 cr)
MUSA 2313—Saxophone-Performance Major (2–4 cr)
MUSA 2314—Bassoon-Performance Major (2–4 cr)
MUSA 2315—French Horn-Performance Major (2–4 cr)
MUSA 2316—Trumpet-Performance Major (2–4 cr)
MUSA 2317—Trombone-Performance Major (2–4 cr)
MUSA 2318—Euphonium—Performance Major (2–4 cr)
MUSA 2319—Tuba-Performance Major (2–4 cr)
MUSA 2321—Percussion—Performance Major (2–4 cr)
MUSA 2322—Harp-Performance Major (2–4 cr)

Take 12 or more credit(s) from the following:
MUSA 3305—Violin—Major (2–4 cr)
MUSA 3306—Viola—Major (2–4 cr)
MUSA 3307—Cello—Major (2–4 cr)
MUSA 3308—Double Bass—Major (2–4 cr)
MUSA 3309—Flute—Major (2–4 cr)
MUSA 3311—Oboe—Major (2–4 cr)
MUSA 3312—Clarinet—Major (2–4 cr)
MUSA 3313—Saxophone—Major (2–4 cr)
MUSA 3314—Bassoon—Major (2–4 cr)
MUSA 3315—French Horn—Major (2–4 cr)
MUSA 3316—Trumpet—Major (2–4 cr)
MUSA 3317—Trombone—Major (2–4 cr)
MUSA 3318—Euphonium—Major (2–4 cr)
MUSA 3319—Tuba—Major (2–4 cr)
MUSA 3321—Percussion—Major (2–4 cr)
MUSA 3322—Harp—Major (2–4 cr)

Ensemble Requirement
Complete 7 credits total. Band or orchestra is required for a minimum of six semesters, to be selected in consultation with an adviser. An ensemble course is required for a minimum of one semester.

Take exactly 6 credit(s) from the following:
MUS 3410—University Wind Bands (1 cr)
MUS 3420—Orchestra (1 cr)
MUS 3340—Jazz Ensemble (1 cr)
or
MUS 3350—Jazz Combo (1 cr)
or
MUS 3440—Chamber Ensemble (1 cr)
or
MUS 5480—University Brass Choir (1 cr)
or
MUS 5490—Percussion Ensemble (1 cr)

Ensemble
MUS 3340—Jazz Ensemble (1 cr)
or
MUS 3350—Jazz Combo (1 cr)
or
MUS 3440—Chamber Ensemble (1 cr)
or
MUS 5480—University Brass Choir (1 cr)
or
MUS 5490—Percussion Ensemble (1 cr)
Conducting
MUS 3401—Basic Conducting (2 cr)

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Music Therapy B.Mus.

School of Music
- Required credits to graduate with this degree: 120.
- Required credits within the major: 111.

This program prepares students for a profession in music therapy, using music to influence behavioral changes in people, from preschool through geriatrics, in a variety of educational and health-related environments.

Admission Requirements
Admission to a music program is contingent on passing an audition. Auditions are highly competitive with students normally having studied for a number of years: a minimum of three to four years in voice, guitar, or on an orchestral or band instrument, eight to twelve years on piano. Auditions are held throughout the academic year. Incoming freshmen normally take the audition during the winter of their senior year of high school; transfer students, one semester prior to the term in which they plan to enroll. Students applying for the program in music therapy are required to pass an interview with music education/therapy faculty.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Major Courses
MUED 1801—Introduction to Music Therapy (2 cr)
MUED 3415—Choral Conducting and Methods I (4 cr)
MUED 5800—Group Music Leadership Skills (3 cr)
MUED 5804—Music Therapy Methods and Procedures I (4 cr)
MUED 5805—Music Therapy Methods and Procedures II (4 cr)
MUED 5806—Career Preparation (3 cr)
MUED 5669—Psychology of Music (3 cr)
MUED 3505—Percussion Techniques and Teaching (2 cr)
MUED 5803—Therapeutic Management in Music Settings (4 cr)

Music Theory and Ear Training
MUS 1501—Theory and Analysis of Tonal Music I (2 cr)
MUS 1502—Theory and Analysis of Tonal Music II (2 cr)
MUS 1511—Ear-Training and Sight-Singing I (1 cr)
MUS 1512—Ear-Training and Sight-Singing II (1 cr)
MUS 3501—Theory and Analysis of Tonal Music III (2 cr)
MUS 3502—Theory and Analysis of Tonal Music IV (2 cr)
MUS 3511—Ear-Training and Sight-Singing III (1 cr)
MUS 3512—Ear-Training and Sight-Singing IV (1 cr)

Musicology/Ethnomusicology
MUS 1801W—Music, Society, and Cultures, AH, WI (3 cr)
MUS 3601W—History of Western Music I, WI (3 cr)
MUS 3602W—History of Western Music II, WI (3 cr)
MUS 3603W—History of Western Music III, WI (3 cr)

Keyboard
For non-keyboard majors, MUS 1155 may be substituted for MUS 1151-1152.
Keyboards majors take 1155-1156.
MUS 1155—Keyboard Skills I (2 cr)
or MUS 1151—Piano: Class Lessons I (2 cr)
and MUS 1152—Piano: Class Lessons II (2 cr)
or MUS 1155—Keyboard Skills I (2 cr)
and MUS 1156—Keyboard Skills II (2 cr)

Guitar
MUED 3802—Guitar I for Music Education and Music Therapy Majors:
Developing Group Songleading Skills (2 cr)
MUED 3803—Guitar II for Music Education and Music Therapy Majors:
Developing Group Songleading Skills (2 cr)

Conducting
MUS 3401—Basic Conducting (2 cr)

Applied Music
Students must complete two semesters at 4 credits per semester of 13xx courses; two semesters at 4 credits per semester of 23xx courses; and three semesters at 4 credits per semester of 33xx courses.

Take 2 or more course(s) totaling 8 or more credit(s) from the following:
MUSA 1301—Piano—Major (2–4 cr)
MUSA 1302—Harpsichord—Major (2–4 cr)
MUSA 1303—Organ—Major (2–4 cr)
MUSA 1304—Voice—Major (2–4 cr)
MUSA 1305—Violin—Major (2–4 cr)
MUSA 1306—Viola—Major (2–4 cr)
MUSA 1307—Cello—Major (2–4 cr)
MUSA 1308—Double Bass—Major (2–4 cr)
MUSA 1309—Flute—Major (2–4 cr)
MUSA 1311—Oboe—Major (2–4 cr)
MUSA 1312—Clarinet—Major (2–4 cr)
MUSA 1313—Saxophone—Major (2–4 cr)
MUSA 1314—Bassoon—Major (2–4 cr)
MUSA 1315—French Horn—Major (2–4 cr)
MUSA 1316—Trumpet—Major (2–4 cr)
MUSA 1317—Trombone—Major (2–4 cr)
MUSA 1318—Euphonium—Major (2–4 cr)
MUSA 1319—Tuba—Major (2–4 cr)
MUSA 1321—Percussion—Major (2–4 cr)
MUSA 1322—Harp—Major (2–4 cr)
MUSA 1323—Guitar—Major (2–4 cr)

Take 2 or more course(s) totaling 8 or more credit(s) from the following:
MUSA 2301—Piano-Performance Major (2–4 cr)
MUSA 2302—Harpsichord-Performance Major (2–4 cr)
MUSA 2303—Organ-Performance Major (2–4 cr)
MUSA 2304—Voice-Performance Major (2–4 cr)
MUSA 2305—Violin-Performance Major (2–4 cr)
MUSA 2306—Viola-Performance Major (2–4 cr)
MUSA 2307—Cello-Performance Major (2–4 cr)
MUSA 2308—Double Bass-Performance Major (2–4 cr)
MUSA 2309—Flute-Performance Major (2–4 cr)
MUSA 2311—Oboe-Performance Major (2–4 cr)
MUSA 2312—Clarinet-Performance Major (2–4 cr)
MUSA 2313—Saxophone-Performance Major (2–4 cr)
MUSA 2314—Bassoon-Performance Major (2–4 cr)
MUSA 2315—French Horn-Performance Major (2–4 cr)
MUSA 2316—Trumpet-Performance Major (2–4 cr)
MUSA 2317—Trombone-Performance Major (2–4 cr)
MUSA 2318—Euphonium—Performance Major (2–4 cr)
Music Minor

• Required credits in this minor: 23.

A minor in music is available for students majoring in other fields.

Admission Requirements

An entrance audition identical to that for a music major is required.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Minor Requirements

Music Theory and Ear Training

MUS 1501—Theory and Analysis of Tonal Music I (2 cr)
MUS 1502—Theory and Analysis of Tonal Music II (2 cr)
MUS 1511—Ear-Training and Sight-Singing I (1 cr)
MUS 1512—Ear-Training and Sight-Singing II (1 cr)

Musicology/Ethnomusicology

Take 2 or more course(s) from the following:

MUS 1801W—Music, Society, and Cultures, IP, WI (3 cr)
MUS 3601W—History of Western Music I, WI (3 cr)
MUS 3602W—History of Western Music II, WI (3 cr)
MUS 3603W—History of Western Music III, WI (3 cr)

Keyboard

For non-keyboard minors, MUS 1155 may be substituted for MUS 1151-1152.
Keyboard minors take 1155-1156.

MUS 1155—Keyboard Skills I (2 cr)
MUS 1156—Keyboard Skills II (2 cr)
or
MUS 1151—Piano: Class Lessons I (2 cr)
and
MUS 1152—Piano: Class Lessons II (2 cr)
or
MUS 1155—Keyboard Skills I (2 cr)
and
MUS 1156—Keyboard Skills II (2 cr)

Applied Music

Students must take two semesters at 2 credits per term.

Take 4 or more credit(s) from the following:

MUSA 1301—Piano—Major (2–4 cr)
MUSA 1302—Percussion—Major (2–4 cr)
MUSA 1303—Organ—Major (2–4 cr)
MUSA 1304—Voice—Major (2–4 cr)
MUSA 1305—Violin—Major (2–4 cr)
MUSA 1306—Viola—Major (2–4 cr)
MUSA 1307—Cello—Major (2–4 cr)
MUSA 1308—Double Bass—Major (2–4 cr)
MUSA 1309—Flute—Major (2–4 cr)
MUSA 1310—Oboe—Major (2–4 cr)
MUSA 1311—Clarinet—Major (2–4 cr)
MUSA 1312— Saxophone—Major (2–4 cr)
MUSA 1313— Saxophone—Major (2–4 cr)
MUSA 1314— Bassoon—Major (2–4 cr)
MUSA 1315— French Horn—Major (2–4 cr)
MUSA 1316— Trumpet—Major (2–4 cr)
MUSA 1317— Trombone—Major (2–4 cr)
MUSA 1318— Euphonium—Major (2–4 cr)
MUSA 1319— Tuba—Major (2–4 cr)
MUSA 1321— Percussion—Major (2–4 cr)
MUSA 1322— Harp—Major (2–4 cr)
MUSA 1323— Guitar—Major (2–4 cr)

Ensembles

Take 2 or more course(s) from the following:

MUS 3230—Chorus (1–2 cr)
MUS 3410—University Wind Bands (1 cr)
MUS 3420—Orchestra (1 cr)
MUS 3440—Chamber Ensemble (1 cr)

Music Minor

Minor Requirements

Music Theory and Ear Training

MUS 1501—Theory and Analysis of Tonal Music I (2 cr)
MUS 1502—Theory and Analysis of Tonal Music II (2 cr)
MUS 1511—Ear-Training and Sight-Singing I (1 cr)
MUS 1512—Ear-Training and Sight-Singing II (1 cr)

Musicology/Ethnomusicology

Take 2 or more course(s) from the following:

MUS 1801W—Music, Society, and Cultures, IP, WI (3 cr)
MUS 3601W—History of Western Music I, WI (3 cr)
MUS 3602W—History of Western Music II, WI (3 cr)
MUS 3603W—History of Western Music III, WI (3 cr)

Keyboard

For non-keyboard minors, MUS 1155 may be substituted for MUS 1151-1152.
Keyboard minors take 1155-1156.

MUS 1155—Keyboard Skills I (2 cr)
MUS 1156—Keyboard Skills II (2 cr)
or
MUS 1151—Piano: Class Lessons I (2 cr)
and
MUS 1152—Piano: Class Lessons II (2 cr)
or
MUS 1155—Keyboard Skills I (2 cr)
and
MUS 1156—Keyboard Skills II (2 cr)

Applied Music

Students must take two semesters at 2 credits per term.

Take 4 or more credit(s) from the following:

MUSA 1301—Piano—Major (2–4 cr)
MUSA 1302—Percussion—Major (2–4 cr)
MUSA 1303—Organ—Major (2–4 cr)
MUSA 1304—Voice—Major (2–4 cr)
MUSA 1305—Violin—Major (2–4 cr)
MUSA 1306—Viola—Major (2–4 cr)
MUSA 1307—Cello—Major (2–4 cr)
MUSA 1308—Double Bass—Major (2–4 cr)
MUSA 1309—Flute—Major (2–4 cr)
MUSA 1310—Oboe—Major (2–4 cr)
MUSA 1311—Clarinet—Major (2–4 cr)
MUSA 1312— Saxophone—Major (2–4 cr)
MUSA 1313— Saxophone—Major (2–4 cr)
MUSA 1314— Bassoon—Major (2–4 cr)
MUSA 1315— French Horn—Major (2–4 cr)
MUSA 1316— Trumpet—Major (2–4 cr)
MUSA 1317— Trombone—Major (2–4 cr)
MUSA 1318— Euphonium—Major (2–4 cr)
MUSA 1319— Tuba—Major (2–4 cr)
MUSA 1321— Percussion—Major (2–4 cr)
MUSA 1322— Harp—Major (2–4 cr)
MUSA 1323— Guitar—Major (2–4 cr)

Ensembles

Take 2 or more course(s) from the following:

MUS 3230—Chorus (1–2 cr)
MUS 3410—University Wind Bands (1 cr)
MUS 3420—Orchestra (1 cr)
MUS 3440—Chamber Ensemble (1 cr)
New Media Studies Minor

College of Liberal Arts

This is a free-standing minor.

• Required credits in this minor: 15.

This interdisciplinary minor explores from multiple perspectives how information or content is created and shaped in new and emerging media, as well as the role and impact of those media on human communication. New media refers to the emerging digital technologies that enable information to be produced, stored, transmitted, and displayed in new ways. Students will have an understanding of how these technologies change the ways in which various types of content can be created, managed, and distributed to potentially change the content itself.

Minor Requirements

At least one course must be 4xxx or above. No more than 8 credits of elective courses (courses without the JOUR designator) may be earned from a single department. Students may not use only technical (hands-on or skills) courses to fulfill the electives requirement (see list below). Other electives may be chosen only if they represent new courses offered by the same department that are similar to those on the approved list. The list of electives is updated periodically—students should see the SJMC website for the most current list. Approval of alternative electives for the minor is made by the chair of the faculty steering committee in consultation with the appropriate department.

Minor Courses

Take 15 or more credit(s) from the following:

Take 2 or more course(s) totaling 6 or more credit(s) from the following:

Required credits in this minor: 15.

Norwegian Minor

German, Scandinavian, and Dutch

This is a free-standing minor.

• Required credits in this minor: 16.

The minor includes study of the spoken language, literature, culture, and civilization.

Minor Requirements

Students are required to take 4 semester(s) of Norwegian.

The minor consists of a minimum of 16 credits in 3xxx, 4xxx, and 5xxx courses with no more than one being a directed or independent study course. All courses must be taken A-F and completed with a grade of C- or better. At least one course must be taken in the University of Minnesota’s Scandinavian Program. The program must be approved by the director of undergraduate studies.

Minor Courses

SCAN 3011—Readings in Scandinavian Languages (4 cr)

Take 4 or more course(s) totaling 12 or more credit(s) from the following:

SCAN 3xxx
SCAN 4xxx
SCAN 5xxx

Philosophy B.A.

Philosophy

• Required credits to graduate with this degree: 120.

• Required credits within the major: 30.

Philosophy examines and analyzes the presuppositions of our thought in both ordinary life and in the arts and sciences. Fields within philosophy are moral and political philosophy, history of philosophy, logic (including philosophy of mathematics), philosophy of language, philosophy of religion, philosophy of science (including philosophy of physics, biology, and of the social sciences), metaphysics, epistemology, and aesthetics.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

In fulfilling the required courses, no more than 8 credits may be 1xxx and at least 8 credits must be 4xxx or higher.

History of Philosophy

PHIL 300W—General History of Western Philosophy: Ancient Period, AH, WI (4 cr)

or PHIL 3005W—General History of Western Philosophy: Modern Period, AH, WI (4 cr)

Logic

PHIL 1001—Introduction to Logic, MATH (4 cr)

or PHIL 5201—Symbolic Logic 1 (4 cr)

Epistemology

PHIL 3610W—Scientific Thought, WI (4 cr)

or PHIL 4105W—Epistemology, WI (3 cr)
**Ethical Theory**
PHIL 311W—Introduction to Ethical Theory, WI (4 cr)
or PHIL 4310W—History of Moral Theories, WI (3 cr)
or PHIL 4320W—Intensive Study of an Historical Moral Theory, WI (3 cr)
or PHIL 4321W—Theories of Justice, WI (3 cr)

**Philosophy Electives**
Take 3 or more course(s) from the following:
PHIL 3xxx  
PHIL 4xxx  
PHIL 5xxx

**Senior Project**
A senior project is required and is typically a paper.
PHIL 4995—Senior Project (Directed Studies) (1 cr)

**Program Sub-plans**
A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Ethics and Civic Life Sub-plan**
The Department of Philosophy’s optional concentration in ethics and civic life is an opportunity for students who are interested in ethics and community service to relate their experiences in the classroom to their work in the community, and vice versa. Students who complete the concentration will receive acknowledgment on their transcripts.

**Required Courses for the Sub-plan**

**Core Courses**
Take 3 or more course(s) from the following:
PHIL 1004W—Introduction to Political Philosophy, AH, WI (4 cr)
PHIL 1006W—Philosophy and Cultural Diversity, AH, DSJ, WI (4 cr)
PHIL 1303—Business Ethics (4 cr)
PHIL 3234—Knowledge and Society (4 cr)
PHIL 3301—Environmental Ethics (4 cr)
PHIL 3302W—Moral Problems of Contemporary Society, CIV, WI (4 cr)
PHIL 3304—Law and Morality (4 cr)
PHIL 3305—Medical Ethics (4 cr)
PHIL 3307—Social Justice and Community Service, AH, CIV (4 cr)
PHIL 3308—Social Justice and Community Service (4 cr)
PHIL 3602—Science, Technology, and Society (3 cr)
PHIL 4324—Ethics and Education (3 cr)
PHIL 4325—Education and Social Change, AH, CIV (4 cr)
PHIL 4326—Lives Worth Living: Questions of Self, Vocation, and Community, CIV (6 cr)
PHIL 4414—Political Philosophy (3 cr)
PHIL 4622—Philosophy and Feminist Theory (3 cr)

**Community Service**
The community service component may be completed by taking a practicum course in philosophy (for example, PHIL 1007 in conjunction with 1004W); a community service component of one of the above courses; or a directed study in philosophy with a community service component.

**Philosophy Minor**
- Required credits in this minor: 14.
  See the major description for more information.

**Minor Requirements**
The minor consists of 14 semester credits (or their equivalent) of PHIL courses at 3xxx or above. All courses must have grades of at least C-. At least 8 credits must be taken at the University of Minnesota, Twin Cities campus.

**Minor Courses**
Take 14 or more credit(s) from the following:
PHIL 3xxx  
PHIL 4xxx  
PHIL 5xxx

**Physics B.A.**
**School of Physics and Astronomy**
- Required credits to graduate with this degree: 120.
- Required credits within the major: 40.
The undergraduate physics program prepares students for employment, often in industrial or governmental laboratories, or for further study at graduate or professional schools in physics, engineering, biophysics, medicine, education, law, or business.
The program integrates a broad foundation in physics that can be flexibly combined with coursework in other technical disciplines or used to specialize in physics. Students should consult a physics adviser to help formulate objectives for undergraduate study.

**Admission Requirements**
For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.umn.edu/officeofadmissions).

**Program Requirements**
Students are required to take 4 semester(s) of any second language.

**Mathematics**
Complete four courses from either the calculus or honors calculus sequence.

**Calculus Sequence**
MATH 1271—Calculus I (4 cr)
or MATH 1371—IT Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
or MATH 1372—IT Calculus II (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
or MATH 2244—IT Linear Algebra and Differential Equations (4 cr)
MATH 2274—IT Multivariable Calculus and Vector Analysis (4 cr)
or MATH 2275—Multivariable Calculus (4 cr)
Honors Sequence
MATH 1571H—Honors Calculus I, H (4 cr)
MATH 1572H—Honors Calculus II, H (4 cr)
MATH 2573H—Honors Calculus III, H (4 cr)
MATH 2574H—Honors Calculus IV, H (4 cr)

Major Courses
PHYS 2601—Quantum Physics (4 cr)
PHYS 2605—Quantum Physics Laboratory (3 cr)
PHYS 2201—Introductory Thermodynamics and Statistical Physics (3 cr)
PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, WI (4 cr)
or PHYS 1401V—Honors Physics I, PHYS, WI, H (4 cr)
PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (4 cr)
or PHYS 1402V—Honors Physics II, PHYS, WI, H (4 cr)
PHYS 2403H—Honors Physics III, H (4 cr)
or PHYS 2503—Physics III: Intro to Waves, Optics, and Special Relativity (4 cr)

Electives
Take 18 or more credit(s) from the following:
PHYS 4xxx
Take 2 or more course(s) from the following:
PHYS 4001—Analytical Mechanics (4 cr)
PHYS 4002—Electricity and Magnetism (4 cr)
PHYS 4101—Quantum Mechanics (4 cr)
PHYS 4201—Statistical and Thermal Physics (3 cr)

Senior Project
The senior project can be satisfied by completion of PHYS 4051 and 4052W; 5 credits may be counted towards the 18-credit elective requirement. Other ways of satisfying the physics project requirement must be approved by the physics department.
PHYS 4051—Methods of Experimental Physics I (5 cr)
PHYS 4052W—Methods of Experimental Physics II, WI (5 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Physics Minor
- Required credits in this minor: 37.
See the major description for more information.

Minor Requirements
The minor in physics requires 22 credits in physics and 12 credits in math. Physics minors must take all required physics and mathematics courses A-F and must earn a grade of C- or better in all physics, mathematics, and technical elective courses (except those offered S-N only).

Mathematics
MATH 1371—IT Calculus I, MATH (4 cr)
or MATH 1271—Calculus I, MATH (4 cr)
MATH 1372—IT Calculus II (4 cr)
or MATH 1272—Calculus II (4 cr)
MATH 2373—IT Linear Algebra and Differential Equations (4 cr)
or MATH 2243—Linear Algebra and Differential Equations (4 cr)
or

Honors Sequence
MATH 1571H—Honors Calculus I, MATH, H (4 cr)
MATH 1572H—Honors Calculus II, H (4 cr)
MATH 2573H—Honors Calculus III, H (4 cr)

Physics
PHYS 2201—Introductory Thermodynamics and Statistical Physics (3 cr)
PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS SCI/L, WI (4 cr)
or PHYS 1401V—Honors Physics I, PHYS SCI/L, WI, H (4 cr)
PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS SCI/L, WI (4 cr)
or PHYS 1402V—Honors Physics II, PHYS SCI/L, WI, H (4 cr)
PHYS 2403H—Honors Physics III, H (4 cr)
or PHYS 2503—Physics III: Intro to Waves, Optics, and Special Relativity (4 cr)
or PHYS 2403H—Honors Physics III, H (4 cr)
PHYS 2601—Quantum Physics (4 cr)
PHYS 2605—Quantum Physics Laboratory (3 cr)
Take 3 or more credit(s) from the following:
PHYS 3xxx
PHYS 4xxx
PHYS 5xxx

or
Take 3 or more credit(s) from the following:
AST 3xxx
AST 4xxx
AST 5xxx

Physiology B.A.
Integrative Biology and Physiology
- Required credits to graduate with this degree: 120.
- Required credits within the major: 32.

The physiology major concentrates on understanding the functions of the human body from individual cells to organ systems. The program is based upon principles from chemistry, physics, mathematics, and biological sciences.

This major is particularly appropriate for students who intend to enter medical school or graduate study in any of a variety of biological, health, or biomedical sciences. The required courses form a strong core in biomedical science. Many of the required courses are identical to those required for admission to medical school. Students may tailor the overall degree program to specific needs and may choose additional science courses in preparation for medical school, other health sciences professional schools, or graduate school. Students may also take advantage of the freedom to pursue a more diverse undergraduate experience in CLA. Others may benefit from an opportunity to pursue a double major.

For the latest information, visit the physiology major website: http://physiology.med.umn.edu/undergrad.

Admission Requirements
Students must complete 6 courses before admission to the program.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Preparatory Coursework
These courses are prerequisites for future physiology coursework, such as PHSL 3061 and 3062W.
MATH 1271—Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
CHEM 1021—Chemical Principles I, PHYS (4 cr)
CHEM 1022—Chemical Principles II, PHYS (4 cr)

Take one of the following course pairs:
PHYS 1201W—Introductory Physics for Biology and Pre-medicine I, PHYS, WI (5 cr)
and PHYS 1202W—Introductory Physics for Biology and Pre-medicine II, PHYS, WI (5 cr)
or PHYS 1301W—Introductory Physics for Science and Engineering I, PHYS, WI (4 cr)
and PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (4 cr)

Major Core Curriculum
BIOL 4003—Genetics (3 cr)
BIOL 4004—Cell Biology (3 cr)
CHEM 2301—Organic Chemistry I (3 cr)
CHEM 2302—Organic Chemistry II (3 cr)
CHEM 2311—Organic Lab (4 cr)
PHSL 3061—Principles of Physiology (4 cr)
PHSL 3062W—Research Paper for Physiology Majors, WI (1 cr)
PHSL 3701—Physiology Laboratory (2 cr)
BIOC 3021—Biochemistry (3 cr)
or BIOC 4331—Biochemistry I: Structure, Catalysis, and Metabolism in Biological Systems (4 cr)

Advanced Educational Opportunities
Take 3 or more course(s) from the following:
CHEM 4311W—Advanced Organic Chemistry Lab, WI (2 cr)
GCD 4025—Cell Biology Laboratory (2 cr)
GCD 4034—Molecular Genetics (3 cr)
GCD 4111—Histology: Cell and Tissue Organization (4 cr)
GCD 4161—Developmental Biology (3 cr)
GCD 5036—Molecular Cell Biology (3 cr)
MICB 3301—Biology of Microorganisms (5 cr)
MICB 4313—Immunology (3 cr)
NSCI 3101—Introduction to Neuroscience I: From Molecules to Madness (3 cr)
NSCI 3102W—Introduction to Neuroscience II: Biological Basis of Behavior, WI (3 cr)
PHLH 4001—Mechanisms of Drug Action (2 cr)
PHSL 3059—Problems in Physiology (1–3 cr)
PHSL 4021—Advanced Physiology and Bioengineering: Bionic Human (3 cr)
PHSL 5350—Humans in Extreme Environments (2 cr)
PHSL 5444—Muscle (3 cr)
PHSL 5510—Advanced Cardiac Physiology and Anatomy (2–3 cr)
PHSL 5511—Advanced Neuromuscular Junction Physiology (2–3 cr)
PHSL 5700—Cell Physiology (4 cr)
PSY 3011—Introduction to Learning and Behavior (3 cr)
PSY 3031—Introduction to Sensation and Perception (3 cr)
PSY 3061—Introduction to Biological Psychology (3 cr)
PSY 5012—Learning and Cognition in Animals (4 cr)
PSY 5031—Perception, WI (3 cr)
PSY 5036W—Computational Vision, WI (3 cr)
PSY 5037—Psychology of Hearing (3 cr)
PSY 5038W—Introduction to Neural Networks, WI (3 cr)
PSY 5061—Neurobiology of Behavior (3 cr)

PSY 5137—Introduction to Behavioral Genetics (3 cr)
PSY 5606—Clinical Psychophysiology (3 cr)
STAT 3022—Data Analysis (4 cr)
STAT 5021—Statistical Analysis (4 cr)
BIOC 4xxx
CHEM 4xxx
CSCI 3xxx
CSCI 4xxx
PHSL 3061—Principles of Physiology (4 cr)
or STAT 3021—Introduction to Probability and Statistics (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Political Science B.A.

Political Science
- Required credits to graduate with this degree: 120.
- Required credits within the major: 32.

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, and American governmental systems and processes. 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
It is strongly recommended that students complete one 1xxx course prior to admission to the major. See “Preparatory Courses” under program requirements for suggested courses.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Students may choose to do an optional concentration to count toward the 24 upper division credits. If not, remaining courses not taken from the list for major courses below may be used to satisfy
the upper division requirement. In addition, POL 3051 and POL 3085 may be used to meet the 24 credit requirement.

**Preparatory Courses**

Only 8 credits of 1xxx applies toward the 32 credits required for the major.

POL 1001—American Democracy in a Changing World, SOCS (4 cr)

or POL 1001H—Honors Course: American Democracy in a Changing World, SOCS, H (4 cr)

or POL 1015—Mass Politics in a Media Age (3 cr)

or POL 1019—Indigenous Peoples: A Global Perspective (3 cr)

or POL 1025—Global Politics, SOCS, GP (4 cr)

or POL 1026—We and They: U.S. Foreign Policy (4 cr)

or POL 1054—Repression and Democracy Around the World, SOCS, GP (4 cr)

or POL 1054H—Honors: Repression and Democracy, SOCS, GP, H (4 cr)

or POL 1065—Government and Medicine (3 cr)

or POL 1201—Political Ideas and Ideologies, HIS, CIV (4 cr)

or Freshman seminar in political science

**Major Courses**

Take 3 or more course(s) including 3 or more sub-requirement(s) from the following:

**Political Theory**

- Take 0 or more course(s) from the following:
  - POL 3210—Practicum (2 cr)
  - POL 3225—American Political Thought, CIV (3 cr)
  - POL 3235W—Democracy and Citizenship, CIV, WI (3–4 cr)
  - POL 3251—Greeks, Romans, and Christians: Ancient and Medieval Political Thought (3–4 cr)
  - POL 3252—Renaissance, Reformation, and Revolution: Early Modern Political Thought, AH, CIV (3–4 cr)
  - POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
  - POL 4210—Topics in Political Theory (3 cr)
  - POL 4275—Contemporary Political Thought (3 cr)

**Comparative Government**

- Take 0 or more course(s) from the following:
  - POL 3441—Politics of Environmental Protection (3 cr)
  - POL 3451W—Politics and Society in the New Europe, GP, WI (3 cr)
  - POL 3477—Political Development, SOCS, GP (3–4 cr)
  - POL 3491—Film and Latin American Politics (3 cr)
  - POL 4403W—Comparative Constitutionalism, GP, WI (3 cr)
  - POL 4410—Topics in Comparative Politics (3 cr)
  - POL 4461W—European Government and Politics, GP, WI (4 cr)
  - POL 4463—The Cuban Revolution Through the Words of Cuban Revolutionaries, GP (3 cr)
  - POL 4465—Southeast Asian Politics, GP (3 cr)
  - POL 4473W—Chinese Politics, GP, WI (3 cr)
  - POL 4477—Struggles and Issues in the Middle East (4 cr)
  - POL 4478W—Contemporary Politics in Africa and the Colonial Legacy, GP, WI (4 cr)
  - POL 3479—Latin American Politics, GP (3 cr)
  - POL 4481—Governments and Markets (3–4 cr)
  - POL 4485—Human Rights and Democracy in the World, CIV (3 cr)
  - POL 4487—The Struggle for Democratization and Citizenship (4 cr)
  - POL 4489W—Citizens, Consumers, and Corporations, CIV, WI (3 cr)

**International Relations**

- Take 0 or more course(s) from the following:
  - POL 3835—International Relations, SOCS, GP (3 cr)
  - POL 3872W—Global Environmental Cooperation, WI (4 cr)
  - POL 3873W—Global Citizenship and International Ethics, CIV, WI (3 cr)
  - POL 4810—Topics in International Politics and Foreign Policy (3 cr)
  - POL 4833—The U.S. in the Global Economy (3–4 cr)
  - POL 4867W—United States Foreign Policy Toward the Middle East, GP, WI (4 cr)
  - POL 4881—International Law (3 cr)
  - POL 4883W—Global Governance, WI (3 cr)
  - POL 4885W—International Conflict and Security, GP, WI (4 cr)
  - POL 4887—Thinking Strategically in International Politics (3 cr)
  - POL 4889—Governments and Global Trade and Money (3–4 cr)

**American Government**

Take 0 or more course(s) from the following:

- POL 3308—Congressional Politics and Institutions, SOCS (3 cr)
- POL 3309—Justice in America (3 cr)
- POL 3319—Education and the American Dream, SOCS, DSJ (3 cr)
- POL 3321—Issues in American Public Policy (3 cr)
- POL 3701—American Indian Tribal Governments and Politics (3 cr)
- POL 3739—Politics of Race, Class, and Ethnicity (3 cr)
- POL 3752—Chicano Politics (3 cr)
- POL 3766—Political Psychology of Mass Behavior, SOCS (3 cr)
- POL 3767—Political Psychology of Elite Behavior, CIV (3 cr)
- POL 3785—Persuasion and Political Propaganda (3 cr)
- POL 3306—Presidential Leadership and American Democracy (3 cr)
- POL 4310—Topics in American Politics (3 cr)
- POL 4315W—State Governments: Laboratories of Democracy, WI (4 cr)
- POL 4322—Rethinking the Welfare State (3–4 cr)
- POL 4327—The Politics of American Cities and Suburbs (3 cr)
- POL 4331—Thinking Strategically in Domestic Politics (3–4 cr)
- POL 4501W—The Supreme Court and Constitutional Interpretation, CIV, WI (3 cr)
- POL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, WI (3 cr)
- POL 4525W—Federal Indian Policy, WI (3 cr)
- POL 4737W—American Political Parties, WI (4 cr)
- POL 4766—American Political Culture and Values, CIV (3 cr)
- POL 3769—Public Opinion and Voting Behavior, SOCS (3 cr)
- POL 4771—Racial Attitudes and Intergroup Conflict (3 cr)

**Senior Project**

Students complete the senior project requirement by taking any POL 4xxx writing intensive course or POL 4900W. Honors students must take POL 4900V or POL 3110H to complete the senior thesis requirement.

**Program Sub-plans**

A sub-plan is not required for this program.

**Business and Politics Sub-plan**

**Required Courses for the Sub-plan**

**Business and Politics**

Take 4 or more course(s) from the following:

- POL 3085—Quantitative Analysis in Political Science, MATH (4 cr)
- POL 4315W—State Governments: Laboratories of Democracy, WI (4 cr)
- POL 4327—The Politics of American Cities and Suburbs (3 cr)
- POL 4331—Thinking Strategically in Domestic Politics (3–4 cr)
- POL 4481—Governments and Markets (3–4 cr)
- POL 4833—The U.S. in the Global Economy (3–4 cr)
- POL 4889—Governments and Global Trade and Money (3–4 cr)

**Campaigns and Elections Sub-plan**

**Required Courses for the Sub-plan**

**Campaigns and Elections**

Take 4 or more course(s) from the following:

- POL 3085—Quantitative Analysis in Political Science, MATH (4 cr)
- POL 3210—Practicum (2 cr)
- POL 3225—American Political Thought, CIV (3 cr)
- POL 3766—Political Psychology of Mass Behavior, SOCS (3 cr)
- POL 3769—Public Opinion and Voting Behavior, SOCS (3 cr)
Citizenship and Civic Action Sub-plan

Required Courses for the Sub-plan

Citizenship and Civic Action

Take 4 or more course(s) from the following:

- POL 3210—Practicum (2 cr)
- POL 3225—American Political Thought, CIV (3 cr)
- POL 3235W—Democracy and Citizenship, CIV, WI (3–4 cr)
- POL 3251—Greeks, Romans, and Christians: Ancient and Medieval Political Thought (3–4 cr)
- POL 3252—Renaissance, Reformation, and Revolution: Early Modern Political Thought, AH, CIV (3–4 cr)
- POL 3739—Politics of Race, Class, and Ethnicity (3 cr)
- POL 3873W—Global Citizenship and International Ethics, CIV, WI (3 cr)
- POL 4210—Topics in Political Theory (3 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 4322—Rethinking the Welfare State (3–4 cr)
- POL 4485—Human Rights and Democracy in the World, CIV (3 cr)
- POL 4487—The Struggle for Democratization and Citizenship (3–4 cr)
- POL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, WI (3 cr)
- POL 4766—American Political Culture and Values, CIV (3 cr)

Democratization and Development Sub-plan

Required Courses for the Sub-plan

Democratization and Development

Take 4 or more course(s) from the following:

- POL 3210—Practicum (2 cr)
- POL 3235W—Democracy and Citizenship, CIV, WI (3–4 cr)
- POL 3441—Politics of Environmental Protection (3 cr)
- POL 3477—Political Development, SOCS, GP (3–4 cr)
- POL 3739—Politics of Race, Class, and Ethnicity (3 cr)
- POL 4210—Topics in Political Theory (3 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 4322—Rethinking the Welfare State (3–4 cr)
- POL 4477—Struggles and Issues in the Middle East (4 cr)
- POL 4478W—Contemporary Politics in Africa and the Colonial Legacy, GP, WI (4 cr)
- POL 3479—Latin American Politics, GP (3 cr)
- POL 4487—The Struggle for Democratization and Citizenship (4 cr)
- POL 4561—Comparative Legal Systems (3 cr)
- POL 4766—American Political Culture and Values, CIV (3 cr)
- POL 4885W—International Conflict and Security, GP, WI (4 cr)
- POL 4889—Governments and Global Trade and Money (3–4 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Law and Politics Sub-plan

Required Courses for the Sub-plan

Law and Politics

Take 4 or more course(s) from the following:

- POL 3225—American Political Thought, CIV (3 cr)
- POL 3252—Renaissance, Reformation, and Revolution: Early Modern Political Thought, AH, CIV (3–4 cr)
- POL 3872W—Global Environmental Cooperation, WI (4 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 4501W—The Supreme Court and Constitutional Interpretation, CIV, WI (3 cr)
- POL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, WI (3 cr)
- POL 4561—Comparative Legal Systems (3 cr)
- POL 4881—International Law (3 cr)
- POL 4883W—Global Governance, WI (3 cr)
- POL 5252—Renaissance, Reformation, and Revolution: Early Modern Political Thought (4 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)

Political Psychology, Beliefs, and Behavior Sub-plan

Required Courses for the Sub-plan

Political Psychology, Beliefs, and Behavior

Take 4 or more course(s) from the following:

- POL 3251—Greeks, Romans, and Christians: Ancient and Medieval Political Thought (3–4 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 4501W—The Supreme Court and Constitutional Interpretation, CIV, WI (3 cr)
- POL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, WI (3 cr)
- POL 4561—Comparative Legal Systems (3 cr)
- POL 4881—International Law (3 cr)
- POL 4883W—Global Governance, WI (3 cr)
- POL 5252—Renaissance, Reformation, and Revolution: Early Modern Political Thought (4 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)

Public Affairs Sub-plan

Required Courses for the Sub-plan

Public Affairs

Take 4 or more course(s) from the following:

- POL 3085—Quantitative Analysis in Political Science, MATH (4 cr)
- POL 3739—Politics of Race, Class, and Ethnicity (3 cr)
- POL 3766—Political Psychology of Mass Behavior, SOCS (3 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 3306—Presidential Leadership and American Democracy (3 cr)
- POL 4331—Thinking Strategically in Domestic Politics (3–4 cr)
- POL 4485—Human Rights and Democracy in the World, CIV (3 cr)
- POL 4766—American Political Culture and Values, CIV (3 cr)
- POL 4887—Thinking Strategically in International Politics (3 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)

Law and Politics

Take 4 or more course(s) from the following:

- POL 3225—American Political Thought, CIV (3 cr)
- POL 3252—Renaissance, Reformation, and Revolution: Early Modern Political Thought, AH, CIV (3–4 cr)
- POL 3872W—Global Environmental Cooperation, WI (4 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 4501W—The Supreme Court and Constitutional Interpretation, CIV, WI (3 cr)
- POL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, WI (3 cr)
- POL 4561—Comparative Legal Systems (3 cr)
- POL 4881—International Law (3 cr)
- POL 4883W—Global Governance, WI (3 cr)
- POL 5252—Renaissance, Reformation, and Revolution: Early Modern Political Thought (4 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)

Political Psychology, Beliefs, and Behavior

Take 4 or more course(s) from the following:

- POL 3251—Greeks, Romans, and Christians: Ancient and Medieval Political Thought (3–4 cr)
- POL 4253—Modernity and Its Discontents: Late Modern Political Thought (3–4 cr)
- POL 4275—Contemporary Political Thought (3 cr)
- POL 4501W—The Supreme Court and Constitutional Interpretation, CIV, WI (3 cr)
- POL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, WI (3 cr)
- POL 4561—Comparative Legal Systems (3 cr)
- POL 4881—International Law (3 cr)
- POL 4883W—Global Governance, WI (3 cr)
- POL 5252—Renaissance, Reformation, and Revolution: Early Modern Political Thought (4 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)

Public Affairs

Take 4 or more course(s) from the following:

- POL 3085—Quantitative Analysis in Political Science, MATH (4 cr)
- POL 3306—Presidential Leadership and American Democracy (3 cr)
- POL 4331—Thinking Strategically in Domestic Politics (3–4 cr)
- POL 4485—Human Rights and Democracy in the World, CIV (3 cr)
- POL 4766—American Political Culture and Values, CIV (3 cr)
- POL 4887—Thinking Strategically in International Politics (3 cr)
- POL 5253—Modernity and its Discontents: Late Modern Political Thought (4 cr)
Global Politics Sub-plan

Required Courses for the Sub-plan

Global Politics

Take 4 or more course(s) from the following:
- POL 3235W—Democracy and Citizenship, CIV, WI (3–4 cr)
- POL 3441—Politics of Environmental Protection (3 cr)
- POL 3451W—Politics and Society in the New Europe, GP, WI (3 cr)
- POL 3477—Political Development, SOCS, GP (3–4 cr)
- POL 3835—International Relations, SOCS, GP (3 cr)
- POL 3872W—Global Environmental Cooperation, WI (4 cr)
- POL 3873W—Global Citizenship and International Ethics, CIV, WI (3 cr)
- POL 4461W—European Government and Politics, GP, WI (4 cr)
- POL 4473W—Chinese Politics, GP, WI (3 cr)
- POL 4477—Human Rights and Democracy in the World, CIV (3 cr)
- POL 4833—The U.S. in the Global Economy (3–4 cr)
- POL 4881—International Law (3 cr)
- POL 4883W—Global Governance, WI (3 cr)
- POL 4885W—International Conflict and Security, GP, WI (4 cr)
- POL 4887—Thinking Strategically in International Politics (3 cr)
- POL 4889—Governments and Global Trade and Money (3–4 cr)

Political Science Minor

• Required credits in this minor: 16.

See the major description for more information.

Minor Requirements

Complete at least four courses, totaling at least 16 credits. Students must take at least one course in two out of four subfields: political theory, comparative government, American government, and international relations. POL 3070, and 4970 cannot count toward minor requirements. Students may apply 3 credits of POL 3080.

Political science minors who major in global studies must complete at least two upper division courses outside of the comparative government and international relations subfields. Global studies majors must take at least two upper division courses from political theory or American government.

Minor Courses

Take 12–16 credit(s) from the following:
- POL 3xxx
- POL 4xxx
- POL 5xxx

Take 0–8 credit(s) from the following:
- POL 1001—American Democracy in a Changing World, C/PE, SSCI (4 cr)
- POL 1015—Mass Politics in a Media Age, C/PE (3 cr)
- POL 1025—Global Politics, IP, SSCI (4 cr)
- POL 1026—We and They: U.S. Foreign Policy, IP (4 cr)
- POL 1054—Repression and Democracy Around the World, IP, SSCI (4 cr)
- POL 1065—Government and Medicine, C/PE, SSCI (3 cr)
- POL 1201—Political Ideas and Ideologies, C/PE, SSCI (4 cr)

Take no more than 4 credit(s) from the following:
- POL 1xxx

Portuguese Studies Minor

Spanish and Portuguese

This is a free-standing minor.

• Required credits in this minor: 16.

The Portuguese studies minor focuses on literary, cultural, and linguistic studies from Portugal, Brazil, and Lusophone Africa. Students begin with language skills courses. These are followed by analysis skills courses in Hispanic literature, culture, and linguistics. The department encourages minors to study abroad in a Portuguese-speaking area.

Minor Requirements

Students must declare the minor at least one full term before completing minor requirements and are encouraged to declare it as early as possible (preferably during preparatory coursework). Contact the department office for declaration procedures.

Minor Courses

PORT 3003—Portuguese Conversation and Composition (4 cr)

Take 4 or more course(s) totaling 12 or more credit(s) from the following:
- PORT 3xxx
- PORT 4xxx
- PORT 5xxx

Psychology B.A.

Psychology

• Required credits to graduate with this degree: 120.
• Required credits within the major: 36.

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 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 Department of Neuroscience, and affiliated research units within the department, such as the Center for Cognitive Sciences, the Center for Measurement Research, and the Minnesota Center for Twin and Family 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.

Students completing the degree program in psychology may not receive a second degree or a second major in child psychology.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

CPSY, EPSY, and CAPY courses do not count as upper division credits outside of psychology.

Transfer students must complete a minimum of 16 upper division credits in the Department of Psychology at the University of Minnesota to be awarded a major in psychology.
Preparatory Courses
PSY 1001—Introduction to Psychology, SOCS (4 cr)
or
PSY 1001H—Honors Introduction to Psychology, SOCS, H (4 cr)
or
PSTL 1281—Principles of Psychology, SOCS (4 cr)
PSY 3801—Introduction to Psychological Measurement and Data Analysis, MATH (3 cr)
or
PSY 3801H—Honors Introduction to Psychological Measurement and Data Analysis, MATH, H (3 cr)
PSY 3001W—Introduction to Research Methods, W1 (3 cr)
or
PSY 3001V—Honors Introduction to Research Methods, W1, H (3 cr)

Major Courses

Cognitive and Biological Psychology
Take 2 or more course(s) from the following:
PSY 3011—Introduction to Learning and Behavior (3 cr)
PSY 3031—Introduction to Sensation and Perception (3 cr)
PSY 3051—Introduction to Cognitive Psychology (3 cr)
PSY 4011—Applied Behavior Analysis (3 cr)
PSY 4032—Psychology of Music (3 cr)
PSY 4036—Perceptual Issues in Visual Impairment (4 cr)
PSY 5012—Learning and Cognition in Animals (4 cr)
PSY 5014—Psychology of Human Learning and Memory (3 cr)
PSY 5015—Cognition, Computation, and Brain (3 cr)
PSY 5018H—Mathematical Models of Human Behavior, H (3 cr)
PSY 5031W—Perception, W1 (3 cr)
PSY 5036W—Computational Vision, W1 (3 cr)
PSY 5037—Psychology of Hearing (3 cr)
PSY 5038W—Introduction to Neural Networks, W1 (3 cr)
PSY 5051W—Psychology of Human-Machine Interaction, W1 (3 cr)
PSY 5054—Psychology of Language (3 cr)
PSY 5062—Cognitive Neuropsychology (3 cr)
PSY 5064—Brain and Emotion (3 cr)
PSY 5061—Introduction to Biological Psychology (3 cr)
or
PSY 5065—Neurobiology of Behavior (3 cr)

Clinical, Personality, and Social Psychology
Take 2 or more course(s) from the following:
PSY 3201—Introduction to Social Psychology (4 cr)
PSY 3206—Introduction to Health Psychology (3 cr)
PSY 3301—Introduction to Cultural Psychology (3 cr)
PSY 3617—Introduction to Clinical Psychology (3 cr)
PSY 3633—Happiness: Integrating Research Across Psychological Sciences (3 cr)
PSY 3666—Human Sexuality (3 cr)
PSY 5202—Attitudes and Social Behavior (3 cr)
PSY 5204—Psychology of Interpersonal Relationships (3 cr)
PSY 5205—Applied Social Psychology (3 cr)
PSY 5206—Social Psychology and Health Behavior (3 cr)
PSY 5207—Personality and Social Behavior (3 cr)
PSY 5606—Clinical Psychophysiology (3 cr)
CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
CPSY 4303—Adolescent Psychology (4 cr)
PSY 3101—Introduction to Personality (3 cr)
or
PSY 5101—Personality Psychology (3 cr)
PSY 3604—Introduction to Abnormal Psychology (3 cr)
or
PSY 5604—Abnormal Psychology, H (3 cr)

Individual Differences, Quantitative, and Applied Psychology
Take 1 or more course(s) from the following:
PSY 3511—Introduction to Counseling Psychology (3 cr)
PSY 3711—Introduction to Industrial and Organizational Psychology (3 cr)
PSY 4501—Psychology of Women and Gender (3 cr)
PSY 5136—Human Abilities (3 cr)
PSY 5137—Introduction to Behavioral Genetics (3 cr)
PSY 5138—Psychology of Aging (3 cr)
PSY 5501—Vocational and Occupational Health Psychology (3 cr)

Electives
Take 4–9 credit(s) from the following:
PSY 3xxx
PSY 4xxx
PSY 5xxx

Take no more than 6 credit(s) from the following:
PSY 3960—Undergraduate Seminar in Psychology (1–5 cr)
PSY 3993—Directed Study (1–6 cr)
PSY 3996—Undergraduate Fieldwork and Internship in Psychology (1–6 cr)
PSY 4993—Directed Research: Special Areas of Psychology and Related Sciences (1–6 cr)
PSY 4960—Seminar in Psychology (1–4 cr)
PSY 5960—Topics in Psychology (1–4 cr)
PSY 5993—Research Laboratory in Psychology (3 cr)

Senior Project
Students completing a double major in another CLA department who choose to complete that department’s major project must complete 36 total credits in psychology, using additional electives to replace credits that would have been earned through psychology’s major project.
PSY 3902W—Major Project in Psychology, W1 (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Honors students take PSY 4994V as part of their major program and a minimum of 3 or maximum of 6 credits in PSY 4902V in place of PSY 3902W. In addition, honors majors are encouraged to choose honors versions of core courses, including PSY 1001H, 2801H, and 3001V.

Psychology B.S.

Psychology
- Required credits to graduate with this degree: 120.
- Required credits within the major: 54.

Psychology examines human behavior through environmental, genetic, physiological, and social determinants and correlates. The B.S. in psychology offers students rigorous scientific training in biological and quantitative psychology, complemented by a broad education in such related fields as neuroscience, cognitive science, computer science, biology, chemistry, and mathematics. This degree is intended to prepare students for graduate work in...
psychology, as well as in related fields such as cognitive science, neuroscience, and medicine. The B.S. degree in psychology offers two areas of concentration: biological and quantitative/cognitive sciences. The biological courses are appropriate for students interested primarily in such specializations as the biological basis of psychopathology, the brain-behavior relation, evolutionary psychology, and behavior genetics. The quantitative/cognitive science courses are appropriate for students interested primarily in statistics and methods used in psychological research, in mathematical models of perception and cognition, and in psychological measurement. Students pursuing the biological area are encouraged to choose heavily from outside foundation courses in the life sciences (e.g., biochemistry, biology, genetics and cell biology, evolution and behavior), whereas students taking quantitative/cognitive science courses are encouraged to select more outside foundation courses in mathematics and the physical sciences (e.g., computer science, mathematics, physics, statistics).

A psychology B.S. is a valuable and useful background for a wide variety of careers and graduate and professional academic programs. A professional career as a psychologist requires further training. Students completing the degree program in psychology may not receive a second degree or a second major in child psychology.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Program Requirements**

Transfer students must complete a minimum of 16 upper division credits in the psychology department and 9 credits within the ‘Outside Foundation Courses’ at the University of Minnesota-Twin Cities campus to be awarded a major in psychology.

**Outside Foundation Courses**

Take 18 or more credit(s) including 3 or more sub-requirement(s) from the following:

**Philosophy**

**Note:** All of these courses except PHIL 1001 have prerequisites.  
*Take 0–11 credit(s) from the following:*

- PHIL 1001—Introduction to Logic, MATH (4 cr)
- PHIL 3601W—Scientific Thought, W1 (4 cr)
- PHIL 3607—Philosophy of Psychology (4 cr)
- PHIL 4607—Philosophy of the Biological Sciences (3 cr)
- PHIL 5201—Symbolic Logic I (4 cr)
- PHIL 5202—Symbolic Logic II (4 cr)
- PHIL 1005—Scientific Reasoning (4 cr)
- PHIL 1005H—Scientific Reasoning, H (4 cr)

**Computer Science/Math**

**Note:** All of these courses except CSCI 1103 have prerequisites.  
*Take 0–11 credit(s) from the following:*

- CSCI 1103—Introduction to Computer Programming in Java (4 cr)
- CSCI 1113—Introduction to C/C++ Programming for Scientists and Engineers (4 cr)
- CSCI 1901—Structure of Computer Programming I (4 cr)
- CSCI 1902—Structure of Computer Programming II (4 cr)
- CSCI 2111—Discrete Structures of Computer Science (4 cr)
- MATH 1271—Calculus I (4 cr)
- MATH 1571H—Honors Calculus I, H (4 cr)
- MATH 1272—Calculus II (4 cr)
- MATH 1572H—Honors Calculus II, H (4 cr)

**Physical Science**

**Note:** All of these courses except CHEM 1015 have prerequisites.  
*Take 0–11 credit(s) from the following:*

- CHEM 1015—Introductory Chemistry: Lecture (3 cr)
- CHEM 1017—Introductory Chemistry: Laboratory (1 cr)
- CHEM 2301—Organic Chemistry I (3 cr)
- CHEM 2302—Organic Chemistry II (3 cr)
- CHEM 2311—Organic Lab (4 cr)
- CHEM 2312H—Honors Organic Lab, H (5 cr)
- PHYS 1101W—Introductory College Physics I, PHYS, WI (4 cr)
- PHYS 1102W—Introductory College Physics II, PHYS, WI (4 cr)
- CHEM 1021—Chemical Principles I, PHYS (4 cr)
- CHEM 1031H—Honors Chemistry I, H (4 cr)
- CHEM 1022—Chemical Principles II, PHYS (4 cr)
- CHEM 1032H—Honors Chemistry II, H (4 cr)
- PHYS 1201W—Introductory Physics for Biology and Pre-medicine I, PHYS, WI (5 cr)
- PHYS 1201V—Honors Physics I, PHYS, WI, H (4 cr)
- PHYS 1202W—Introductory Physics for Biology and Pre-medicine II, PHYS, WI (5 cr)
- PHYS 1302W—Introductory Physics for Science and Engineering II, PHYS, WI (5 cr)
- PHYS 1402V—Honors Physics II, PHYS, WI, H (4 cr)

**Biological Science**

**Note:** All of these courses except ANTH 1001, ANTH 3002, and BIOL 1001 have prerequisites.  
*Take 0–11 credit(s) from the following:*

- ANTH 3002—Sex, Evolution, and Behavior: Examining Human Evolutionary Biology (4 cr)
- BIOL 1001W—Biochemistry (3 cr)
- BIOL 1001H—Honors Human Evolution, BIOL, H (4 cr)
- BIOL 2002—Foundations of Biology for Biological Sciences Majors, Part I, BIOL (5 cr)
- BIOL 3409—Evolution (3 cr)
- BIOL 3411—Introduction to Animal Behavior (3 cr)
- BIOL 4003—Genetics (3 cr)
- BIOL 4004—Cell Biology (3 cr)
- EEB 4329—Primate Ecology and Social Behavior (3 cr)
- GCD 3022—Genetics (3 cr)
- ANTH 1001—Human Evolution, BIOL (4 cr)
- ANTH 1001H—Honors: Human Evolution, BIOL, H (4 cr)
- BIOL 1001—Introductory Biology: Evolutionary and Ecological Perspectives, BIOL (4 cr)
- BIOL 1001H—Introductory Biology I: Evolutionary and Ecological Perspectives, BIOL, H (4 cr)
- BIOL 1009—General Biology, BIOL (4 cr)
- BIOL 1009H—Honors: General Biology, BIOL, H (4 cr)

**Major Courses**

*Take 36 or more credit(s) from the following:*

**Preparatory Courses**

- PSY 1001—Introduction to Psychology, SOCS (4 cr)
- PSY 1001H—Honors Introduction to Psychology, SOCS, H (4 cr)
- PSTL 1281—Principles of Psychology, SOCS (4 cr)
- PSY 3801—Introduction to Psychological Measurement and Data Analysis, MATH (3 cr)
- PSY 3801H—Honors Introduction to Psychological Measurement and Data Analysis, MATH, H (3 cr)
- PSY 3001W—Introduction to Research Methods, WI (3 cr)
- PSY 3001V—Honors Introduction to Research Methods, WI, H (3 cr)

**Cognitive and Biological**

At least one course must be 4xxx or above.  
*Take 2 or more course(s) totaling 6 or more credit(s) from the following:*

- PSY 3011—Introduction to Learning and Behavior (3 cr)
- PSY 3031—Introduction to Sensation and Perception (3 cr)
PSY 3051—Introduction to Cognitive Psychology (3 cr)
PSY 4011—Applied Behavior Analysis (3 cr)
PSY 4032—Psychology of Music (3 cr)
PSY 4036—Perceptual Issues in Visual Impairment (3 cr)
PSY 5012—Learning and Cognition in Animals (4 cr)
PSY 5014—Psychology of Human Learning and Memory (3 cr)
PSY 5015—Cognition, Computation, and Brain (3 cr)
PSY 5018H—Mathematical Models of Human Behavior, H (3 cr)
PSY 5031W—Perception, WI (3 cr)
PSY 5036W—Computational Vision, WI (3 cr)
PSY 5037—Psychology of Hearing (3 cr)
PSY 5038W—Introduction to Neural Networks, WI (3 cr)
PSY 5051W—Psychology of Human-Machine Interaction, WI (3 cr)
PSY 5054—Psychology of Language (3 cr)
PSY 5062—Cognitive Neuropsychology (3 cr)
PSY 5064—Brain and Emotion (3 cr)
PSY 5061—Introduction to Biological Psychology (3 cr)
or PSY 5061—Neurobiology of Behavior (3 cr)

Clinical, Personality, and Social

Take 1 or more course(s) totaling 3 or more credit(s) from the following:

CPSY 3301—Introductory Child Psychology for Social Sciences (4 cr)
CPSY 4303—Adolescent Psychology (4 cr)
PSY 3201—Introduction to Social Psychology (4 cr)
PSY 3206—Introduction to Health Psychology (3 cr)
PSY 3301—Introduction to Cultural Psychology (3 cr)
PSY 3617—Introduction to Clinical Psychology (3 cr)
PSY 3633—Happiness: Integrating Research Across Psychological Sciences (3 cr)
PSY 3666—Human Sexuality (3 cr)
PSY 5202—Attitudes and Social Behavior (3 cr)
PSY 5204—Psychology of Interpersonal Relationships (3 cr)
PSY 5205—Applied Social Psychology (3 cr)
PSY 5206—Social Psychology and Health Behavior (3 cr)
PSY 5207—Personality and Social Behavior (3 cr)
PSY 5606—Clinical Psychophysiology (3 cr)
PSY 3101—Introduction to Personality (3 cr)
or PSY 5101—Personality Psychology (3 cr)
PSY 3604—Introduction to Abnormal Psychology (3 cr)
or PSY 5604H—Abnormal Psychology, H (3 cr)

Individual Differences, Quantitative, and Applied

Take 2 or more course(s) totaling 6 or more credit(s) from the following:

PSY 3511—Introduction to Counseling Psychology (3 cr)
PSY 3711—Introduction to Industrial and Organizational Psychology (3 cr)
PSY 4501—Psychology of Women and Gender (3 cr)
PSY 5136—Human Abilities (3 cr)
PSY 5137—Introduction to Behavioral Genetics (3 cr)
PSY 5138—Psychology of Aging (3 cr)
PSY 5501—Vocational and Occupational Health Psychology (3 cr)
PSY 5707—Personnel Psychology (4 cr)
PSY 5708—Organizational Psychology (3 cr)
PSY 5862—Psychological Measurement: Theory and Methods (3 cr)
PSY 5865—Advanced Psychological and Educational Measurement (4 cr)
PSY 5135—Introduction to Individual Differences (3 cr)
or PSY 5135—Psychology of Individual Differences (3 cr)

Electives

Take as many elective credits as needed to reach 36 credits.

Take no more than 8 credit(s) from the following:

PSY 3xx
PSY 4xx
PSY 5xx

Take no more than 3 credit(s) from the following:

PSY 3960—Undergraduate Seminar in Psychology (1–5 cr)
PSY 3993—Directed Study (1–6 cr)
PSY 3996—Undergraduate Fieldwork and Internship in Psychology (1–6 cr)
PSY 4960—Seminar in Psychology (1–4 cr)
PSY 4993—Directed Research: Special Areas of Psychology and Related Sciences (1–6 cr)
PSY 5960—Topics in Psychology (1–4 cr)

Senior Project

PSY 5993—Research Laboratory in Psychology (3 cr)
PSY 3902W—Honors Project, WI, H (1–6 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Psychology Minor

• Required credits in this minor: 19.

The undergraduate minor in psychology offers students an empirical foundation in the discipline along with the opportunity to construct an area of emphasis.

Minor Requirements

No courses without a PSY designator can be used to fulfill minor requirements. Transfer students must complete a minimum of 9 upper division credits in the psychology department at the University of Minnesota to be awarded a minor in psychology.

Preparatory Courses

Students must complete PSY 1001 and PSY 2801 before declaring the minor.

PSY 1001—Introduction to Psychology, SSCI (4 cr)
PSY 2801—Introduction to Psychological Measurement and Data Analysis, MATH (3 cr)
PSY 3001W—Introduction to Research Methods, WI (3 cr)

Electives

Students must take 9 credits of PSY electives. Recommended options for structuring the elective coursework include: 1) sampling from each of the domains or 2) selection of a focus area, including a 3xxx course followed by advanced coursework in that sub-area of the discipline.

PSY 3xxx
PSY 4xx
PSY 5xxx

Religious Studies B.A.

Classical and Near Eastern Studies

• Required credits to graduate with this degree: 120.
• Required credits within the major: 31 to 34.

Students in religious studies are trained in the critical study of religious thought, practice, institutions, and communities, throughout the world and across time periods. The subject of religion is by its very nature interdisciplinary, attracting interest
from many perspectives, including textual and literary studies, history, sociology, anthropology, the arts, and philosophy.

Students in the religious studies program select one of two tracks. The religion, culture, and society track is designed for students who seek to study religions traditions broadly or comparatively. The texts and traditions track is for students who seek to study a single tradition deeply, reading its foundational texts in their original language. Both tracks examine religion as a social and cultural force affecting fundamental issues of our world.

All majors take courses in at least two religious traditions and develop an interdisciplinary concentration area consisting of four courses, from a variety of departments, focused on a theme, tradition, time period, location, practice, or set of questions. The concentration area must be approved by the major adviser.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of Track 1: Any language. Track 2: Any approved by major adviser.

Preparatory Courses

This requirement ensures that students are introduced to the academic study of religion and understand how it is different from what they may have experienced in their own families or religious institutions. Students should enter 3xxx courses with an understanding of the academic expectations of the field.

The list of courses approved for this requirement will be updated regularly to accommodate new offerings. Courses not on the list may be accepted by petition to the major adviser.

RLS 1xxx
or AMST 1011—Religions and American Identity in the United States from World War II to the Present, CIV (3 cr)
or CNES 1001—World of the Bible: Religions, Empires, and Discourses of Power, HP (3 cr)
or CNES 1082—Jesus in History (3 cr)
or CNES 1201—The Bible: Context and Interpretation (3 cr)
or JWST 1034—Introduction to Jewish History and Civilization, HIS (3 cr)
or JWST 1083—Jesus the Jew (3 cr)
or JWST 1201—The Bible: Context and Interpretation (3 cr)

Theory and Methods

RLS 3001W—Theory and Method in Religion: Critical Approaches to the Study of Religion, W1 (3 cr)

Senior Project Seminar

Minimum 4 credits. Offered every spring. Advanced juniors may be admitted with adviser’s permission. Students in both Religious Studies Tracks will be in the same seminar with the expectation that their respective strengths will complement each other and enrich the senior project experience.

CNES 3951W—Major Project, W1 (4 cr)

Program Sub-plans

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

Track 1: Religion, Culture, and Society Sub-plan

This track is designed to meet the needs of students who wish to study religion broadly and pursue a highly contextualized investigation of religion as a social and cultural force. It serves students who are drawn to the methodologies of the humanities, social sciences, and the arts. It serves students who are motivated by questions of expression, psychology, theology or religious thought, as well as public and social policy and the political contexts and ramifications of religion. It prepares students for many careers serving diverse communities in public arenas, as well as for graduate study in the arts or social sciences, or in theological or seminary programs.

Students must take a minimum of 24 credits at 3xxx or above. Final clearance by the major adviser is required.

Required Courses for the Sub-plan

Major Courses

Minimum 12 credits. Courses must be approved by major adviser.

Religious traditions 1 (min 3 cr): Take a course in a religious tradition (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism, a Native American tradition, Zoroastrianism). May be taken through any appropriate department.

Religious traditions 2 (min 3 cr): Take a course in a different religious tradition (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism, a Native American tradition, Zoroastrianism). May be taken through any appropriate department.

Contexts of religious life 1 (min 3 cr): Take a course in sociocultural contexts of religion (e.g., in history, sociology, or anthropology of religion). May be taken through any appropriate department.

Contexts of religious life 2 (min 3 cr): Take a course in sociocultural contexts of religion (e.g., in history, sociology, or anthropology of religion). May be taken through any appropriate department.

Concentration Area

Minimum 12 credits. Take four elective courses in a concentration area linked together geographically, chronologically, thematically, methodologically, or by tradition. Courses must be approved by major adviser.

If the concentration area is on a particular tradition, the courses selected for the religious traditions requirement above must be different.

Courses used for the religious traditions or contexts of religious life requirements cannot be used to fulfill this requirement.

Elective 3xxx–5xxx

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Track 2: Texts and Traditions Sub-plan

This track is designed for students interested in gaining in-depth knowledge of a particular religious tradition by studying the untranslated foundational texts of the chosen tradition.
This track prepares students for many careers serving diverse communities in public arenas, as well as for graduate study in a variety of fields or seminar programs. It is particularly recommended for students interested in topics such as the study of the Bible or Qur’an; the history of Judaism, Islam, or Christianity before the modern period; or the study of the traditions and texts of the religions of South or East Asia, whether in their countries of origin or in diaspora.

Minimum 21 credits at 3xxx or above.

This track requires that students gain proficiency in a language directly tied to their specified religion. Students must complete preparatory work through the fourth semester (or equivalent) of a language appropriate to the specific religious tradition and its sources. Sample pairings include, but are not limited to, the following:

**American Indian religions:** Ojibwe or Dakota

**Buddhism:** Chinese or Japanese

**Christianity:** Greek or Latin (for scriptural or medieval concentration), German or Spanish (for relevant geographical/cultural themes)

**Hinduism:** Sanskrit or Hindi

**Islam:** Arabic, Turkish, or Persian

**Judaism:** Hebrew (for scriptural or historical area of concentration), German or Yiddish (e.g., for Jewish literature or 20th-century)

Language selection must be approved by the major adviser.

Interdisciplinary concentration areas and courses must be approved by the major adviser.

### Required Courses for the Sub-plan

#### Track II Language Proficiency Requirement

**Note:** This should be fulfilled in addition to the standard College of Liberal Arts language requirement.

Minimum 3 credits. Students must gain proficiency (complete work through 4th semester or equiv) in a language directly tied to their specified religion. See Degree Requirements for specifications.

#### Major Courses

Minimum 6 credits. Courses must be approved by major adviser.

**Religious traditions 1 (min 3 cr):** Take a course in a religious tradition (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism, a Native American tradition, Zoroastrianism). May be taken through any appropriate department.

**Religious traditions 2 (min 3 cr):** Take a course in a different religious tradition (e.g., Buddhism, Christianity, Hinduism, Islam, Judaism, a Native American tradition, Zoroastrianism). May be taken through any appropriate department.

#### Concentration Area

Minimum 12 credits. Students must take four elective courses in a concentration area linked to their selected tradition and its associated language, and linked together geographically, chronologically, thematically, methodologically, or by tradition. Courses must be approved by major adviser.

Courses used for the religious traditions requirement cannot be used to fulfill this requirement.

Elective 3xxx–5xxx

Elective 3xxx–5xxx

Elective 3xxx–5xxx

Elective 3xxx–5xxx

### Religious Studies Minor

- **Required credits in this minor:** 15.

The minor in religious studies allows those in other majors to acquire some of the means needed for the critical study of religion.

#### Minor Requirements

All minor courses must be taken A-F (no S-N grades).

All minor courses must be grades C- or better, with a minimum GPA in the minor of 2.00.

Transfer students must take at least three of the five courses at the University of Minnesota (or with U of M residence credits for study abroad).

Final clearance is required prior to graduation.

#### Minor Courses

Take five courses, with a minimum of 15 3xxx–5xxx credits, as configured below.

The purpose of the religious studies minor is to expose students to a diversity of religious traditions. At least two traditions must be represented among the four electives courses.

#### Theory and Methods

RELS 3001W—Theory and Method in Religion: Critical Approaches to the Study of Religion, WI (3 cr)

**or** Equivalent course to RELS 3001 that is approved by the director of undergraduate studies.

#### Electives

Take four 3xxx–5xxx courses totaling at least 12 cr in RELS or other department approved by DUS.

3xxx–5xxx Elective

### Russian B.A.

#### Slavic Languages/Literatures

- **Required credits to graduate with this degree:** 120.

- **Required credits within the major:** 32.

Russian is the native language of some 150 million citizens of the Russian Federal Republic. It is one of the five official languages of the UN, and ranks with English, Chinese, Hindi, Urdu, and Spanish as a major world language. What is more, Russian remains the unofficial lingua franca of the former Soviet republics, an indispensable communications tool across all of the Caucasus and Central Asia. Russian is a major language for scientific publication, and it is an increasingly important language for business and trade as Russian institutions, both public and private, integrate with their European and American counterparts. Besides a thorough grounding in the Russian language, students in the Russian major become conversant with the enormous wealth of the Russian cultural heritage in literature, visual art, theater, and music. In particular, Russia has produced one of the world’s most vibrant and exciting literary traditions—including the works of poets like Pushkin, Lermontov, Blok, and Akhmatova, and writers like Gogol’, Turgenev, Dostoevsky, Tolstoy, and Chekhov. Despite the upheavals caused by the fall of communism, Russian literary culture remains vibrant today, and only a fraction of this fascinating contemporary work is available in translation.

Further information on the value of a Russian major can be found at [www.russnet.org/why/index.html](http://www.russnet.org/why/index.html).
Admission Requirements
Complete the preparatory Russian courses (RUSS 1101, 1102, 3001, 3002) with a minimum grade of C- or the equivalent.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of Russian.

Advanced Language Courses
RUSS 3101—Advanced Russian I (4 cr)
RUSS 3102—Advanced Russian II (4 cr)

Major Courses
RUSS 3421—Literature: Middle Ages to Dostoevsky in Translation, LITR, GP (3 cr)
RUSS 3422—Literature: Tolstoy to the Present in Translation, LIT (3 cr)
RUSS 3512—Russian Art and Culture (3 cr)

Electives
Take 12 credits, excluding preparatory courses (RUSS 3001 and 3002). Take 4 or more course(s) from the following:
RUSS 3xxx
RUSS 4xxx
RUSS 5xxx

Major Project
RUSS 3311—Russian Major Project (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Russian Minor
• Required credits in this minor: 16.
Russian is the native language of some 150 million citizens of the Russian Federal Republic and remains the unofficial lingua franca of the former Soviet republics, an indispensable communications tool across all of the Caucasus and Central Asia. The minor in Russian includes the study of the spoken language as well as the literature and culture of Russia.

Admission Requirements
Students must complete language study equivalent to two semesters (beginning level) before beginning the minor.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Minor Requirements
Students are required to take 2 semester(s) of Russian.

Minor Courses
RUSS 3001—Intermediate Russian I (5 cr)
RUSS 3002—Intermediate Russian II (5 cr)
Take 6 or more credit(s) from the following:
RUSS 3xxx
RUSS 4xxx
RUSS 5xxx

Russian Area Studies Minor
Institute for Global Studies
This is a free-standing minor.
• Required credits in this minor: 15.
The minor requires one year of Russian language and 15 credits (five courses) related to Russia. Students must complete at least two courses in humanities. Additional information may be found at http://igs.cla.umn.edu.

Admission Requirements
Students must complete 2 courses before admission to the program.
Students must complete language study equivalent to two semesters (intermediate level) before beginning the minor.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Minor Requirements
Students are required to take 2 semester(s) of Russian. The minor program must be approved by the global studies adviser.

Minor Courses
POL 4471 may be substituted for GEOG 3181, HIST 3636 may be substituted for HIST 3637.
GEOG 3181—Russia and Environ (3 cr)
HIST 3637—Modern Russia: From Peter the Great to the Present (3 cr)
Complete one course in the social sciences or humanities on Russia or Central Asia approved by the global studies adviser.
Complete one course in the humanities on Russia or Central Asia approved by the global studies adviser.
RUSS 3421—Literature: Middle Ages to Dostoevsky in Translation, LITR, GP (3 cr)
or RUSS 3422—Literature: Tolstoy to the Present in Translation, LIT (3 cr)

Scandinavian Languages and Finnish B.A.
German, Scandinavian, and Dutch
• Required credits to graduate with this degree: 120.
• Required credits within the major: 30 to 31.
The program teaches and conducts research in the languages and literature of the Scandinavian countries—Denmark, Finland, Norway, and Sweden—in the context of relevant cultural-historical background. Majors and minors are offered with concentrations in Danish, Finnish, Norwegian, and Swedish.
The department recommends study abroad in one of the countries for at least six months to acquire cultural familiarity and language fluency. Students may apply appropriate coursework to the major
or minors. The Learning Abroad Center has information on study abroad at www.UMabroad.umn.edu.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of Danish, Swedish, Finnish, or Norwegian.

The major consists of a minimum of 31 credits in 3xxx, 4xxx (beyond 4004), and 5xxx courses, with concentration in Danish, Finnish, Norwegian, or Swedish. All courses in the major must be taken A-F and completed with a grade of C- or better. At least two courses must be taken in the Scandinavian program at the University of Minnesota. The major program must be approved by the director of undergraduate studies.

Major Core Courses
Required for Danish, Norwegian, or Swedish concentrations

- SCAN 3011—Readings in Scandinavian Languages (4 cr)

or

- Required for Finnish concentration
  - FIN 3011—Advanced Finnish (3 cr)
  - FIN 3012—Advanced Finnish (3 cr)

- Required for all.

  Take 3 or more course(s) from the following:

  - SCAN 3501W—Scandinavian Culture Past and Present, WI (3 cr)
  - SCAN 3502—Scandinavian Myths, LITR, GP (3 cr)
  - SCAN 3503—Scandinavian Folklore, LITR, GP (3 cr)
  - SCAN 3504—The Immigrant Experience (3 cr)
  - SCAN 3601—Great Literary Works of Scandinavia, LITR (3 cr)

Major Project
The major project is a substantial paper of approximately 20 typed pages. The paper is prepared in the Major Project Seminar (GSD 3451W or 3451V) with the guidance and supervision of a faculty member.

Note: This seminar is offered fall semester only.

GSD 3451W—Major Project Seminar, WI, H (3 cr)

or

GSD 3451V—Honors Major Project Seminar, WI, H (3 cr)

Language Concentrations
Students are required to complete one of the following course groups.

- Danish, Norwegian, or Swedish Concentrations

  Substantial work in the student’s language of concentration must be done in conjunction with two of the Scandinavian literature or culture courses (SCAN designator), as directed by the instructor or by the director of undergraduate studies. One elective may be taken in an appropriate social science course in consultation with the director of undergraduate studies.

  Take 15 or more credit(s) from the following:

  - SCAN 3xxx
  - SCAN 4xxx
  - SCAN 5xxx

- Finnish Concentration

  Substantial work in the student’s language of concentration must be done in conjunction with two of the Scandinavian literature or culture courses (SCAN designator), as directed by the instructor or by the director of undergraduate studies. One elective may be taken in an appropriate social science course in consultation with the director of undergraduate studies.

  Take 12 or more credit(s) from the following:

  - SCAN 3xxx
  - SCAN 4xxx
  - SCAN 5xxx

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Scientific and Technical Communication B.S.

Writing Studies
- Required credits to graduate with this degree: 120.
- Required credits within the major: 50.

The Department of Writing Studies offers a B.S. in scientific and technical communication (SandTC). This degree offers a unique combination of written, oral, and visual communication theory and practice as it applies to interdisciplinary areas of science and technology.

This program examines how communication is a complex process that involves both the robust principles of audience, persuasion, clarity, accuracy, and ethical integrity, and a command of the knowledge of scientific and technical topics that one communicates. Students have the opportunity to examine social, legal, ethical, and political implications of communication as they relate to science, environment, gender, technology, diverse cultures, and workplace practices.

Students study theories of rhetoric and communication and apply principles of audience analysis, writing and editing, information design, oral communication, and visual rhetoric. They engage in writing as a process and examine writing within communities of practice.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
All required courses must be taken A-F, (except for the internship, which is taken S-N) and students must earn a grade of at least C-. Equivalent transfer courses are accepted in all areas (except for required WRIT courses). Students need to complete a minimum of 35 credits of WRIT courses, plus 15 credits of courses within one of four sub-plan areas.

Core Courses
Current WRIT 3441 requirement replaces former WRIT 4561/5561 requirement.
Information listed in this catalog is current as of April 2010. For up-to-date information, visit www.catalogs.umn.edu.

Required Electives
Students must take at least 3 credits from each of the two categories, for a total of 9 credits.

Take 9 or more credit(s) from the following:

**Oral, Written, Visual, and Digital Communication**

Take 3–6 credit(s) from the following:
- WRIT 3257—Scientific and Technical Presentations (3 cr)
- WRIT 3672—Project Design and Development (3 cr)
- WRIT 4573W—Writing Proposals and Grant Management, WI (3 cr)
- WRIT 4662W—Writing With Digital Technologies, W1 (4 cr)

**Science, Technology, and Society**

Take 3–6 credit(s) from the following:
- WRIT 3018—Gender and Ethnicity and the Rhetoric of Science and Technology, DSJ (3 cr)
- WRIT 3152W—Writing on Issues of Science and Technology, WI (4 cr)
- WRIT 3302—Science, Religion, and the Search for Human Nature (3 cr)
- WRIT 3371—Technology, Self, and Society (3 cr)
- WRIT 3577W—Rhetoric, Technology, and the Internet, TS, WI (3 cr)
- WRIT 4431—Intersections of Scientific and Technical Communication and Law (3 cr)

Program Sub-plans

Students are required to complete one of the following sub-plans. (Note for the Twin Cities and Morris campuses: The honors sub-plan does not meet this requirement. Honors students are required to complete one sub-plan plus the honors sub-plan. Please see an adviser if no honors sub-plan is listed for the program.)

**Information Technology and Design Sub-plan**

**Required Courses for the Sub-plan**

- Students must complete 15 credits in the sub-plan. Six of the 15 credits must be taken at 3xxx or above. Other courses may be allowed in consultation with department adviser.
- Required writing studies course: WRIT 3577W

**Note:** Students completing the information technology and design sub-plan are required to take WRIT 3577W as one of their required electives. This course counts as a required elective for the major, but does not count toward the required 15 credits in the sub-plan.

Take 15 or more credit(s) from the following:
- CSCI 3921W—Social, Legal, and Ethical Issues in Computing, CIV, WI (3 cr)
- CSCI 4101—Computer Security (3 cr)
- CSCI 4102—Introduction to Operating Systems (3 cr)
- CSCI 4301—Discrete Structures of Computer Science (4 cr)
- CSCI 4302—Algorithms and Data Structures (3 cr)
- CSCI 4303—Computers and Society (3 cr)
- CSCI 4356W—History of Computing, W1 (4 cr)
- CSCI 4361W—History of Digital Design, W1 (4 cr)
- CSCI 4362W—Writing With Digital Technologies, WI (4 cr)
- CSCI 4364W—History of Graphic Design, W1 (4 cr)
- CSCI 4365W—Theory and Practice of Design, W1 (4 cr)
- CSCI 4366W—Human-Centered Design, W1 (4 cr)
- CSCI 4367W—Technical Communication, W1 (4 cr)
- CSCI 4368W—Usability and Human Factors in Technical Communication (3 cr)
- CSCI 4369W—Information-Gathering Techniques in Scientific and Technical Communication (3 cr)

**Biological and Health Sciences Sub-plan**

**Required Courses for the Sub-plan**

- Students must complete 15 credits in the sub-plan. Six of the 15 credits must be taken at 3xxx or above. Other courses may be allowed in consultation with department adviser.
- Students are strongly encouraged to take BIOL 1009 and ANAT 3001 within this sub-plan to facilitate a stronger knowledge base for other required courses.

Take 15 or more credit(s) from the following:
- ANAT 3001—Human Anatomy (3 cr)
- BIOL 2011B—Biochemistry for the Agricultural and Health Sciences (3 cr)
- BIOL 3021—Biochemistry (3 cr)
- BIOL 1001—Introductory Biology: Evolutionary and Ecological Perspectives, BIOL (4 cr)
- BIOL 1009—General Biology, BIOL (4 cr)
- BIOL 1101W—Heredity and Human Society, WI (3 cr)
- BIOL 2102—General Zoology (4 cr)
- BIOL 8223—General Botany (3 cr)
- BIOL 3811—Introduction to Animal Behavior (4 cr)
- BIOL 3825—Ecological Genetics (2 cr)
- BIOL 4003—Genetics (3 cr)
- BIOL 4004—Cell Biology (3 cr)
- CHEM 1011—Introductory Chemistry: Lecture and Laboratory (4 cr)
- CHEM 1021—Chemical Principles I, PHYS (4 cr)
- CHEM 1022—Chemical Principles II, PHYS (4 cr)
- CHEM 2011—Introductory Analytical Chemistry Lecture (3 cr)
- CHEM 2111—Introductory Analytical Chemistry Lab (2 cr)
- CHEM 2301—Organic Chemistry I (3 cr)
- CHEM 2302—Organic Chemistry II (3 cr)
- CHEM 2311—Organic Lab (4 cr)
- CHEM 4001—Chemistry of Plant Materials (4 cr)
- CHEM 4003—Chemistry of Animal Materials (4 cr)
- CHEM 3301—Biochemistry (4 cr)
- CHEM 3303—Biochemistry (4 cr)
- MICB 3301—Microbiology (3 cr)
- PHAR 1002—Health Sciences Terminology (2 cr)
- PHAR 5201—Health Sciences Terminology (2 cr)
- PHIL 1005—Scientific Reasoning (4 cr)
- PHIL 3601W—Scientific Thought, WI (4 cr)
- PHIL 4607—Philosophy of the Biological Sciences (3 cr)
- PHIL 4608—Philosophy of the Biological Sciences (3 cr)
Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Legal Discourse and Public Policy Sub-plan

Required Courses for the Sub-plan

Students must complete 15 credits in the sub-plan. Six of the 15 credits must be taken at 3xxx or above. Other courses may be allowed in consultation with departmental adviser.

Required writing studies courses: WRIT 3577W and WRIT 4431

Note: Students completing this sub-plan are required to take WRIT 3577W and WRIT 4431 as two of their required electives. These courses count as required electives for the major, but do not count toward the required 15 credits in the sub-plan.

Take 15 or more credit(s) from the following:

AMIN 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
COMM 3631—Freedom of Speech, C/PE (3 cr)
CSCI 3921W—Social, Legal, and Ethical Issues in Computing, CIV, WI (3 cr)
HIST 4337—Bill of Rights and the Supreme Court Since 1865 (4 cr)
JOUR 3007—The Media in American History and Law: Case Studies, HIS (3 cr)
JOUR 3776—Mass Communication Law (3 cr)
JOUR 5552—Law of Internet Communications (3 cr)
PHIL 1001—Introduction to Logic, MATH (4 cr)
PHIL 1004W—Introduction to Political Philosophy, AH, WI (4 cr)
PHIL 4321W—Theories of Justice, W1 (3 cr)
POL 1001—American Democracy in a Changing World, SOCS (4 cr)
POLL 1001—Introduction to Political Philosophy, AH, WI (4 cr)
POL 4321W—Theories of Justice, W1 (3 cr)
POLL 3308—Congressional Politics and Institutions, SOCS (3 cr)
POLL 3309—Justice in America (3 cr)
POLL 4403W—Comparative Constitutionalism, GP, WI (3 cr)
POLL 4485—Human Rights and Democracy in the World, CIV (3 cr)
POLL 4501W—The Supreme Court and Constitutional Interpretation, CIV, W1 (3 cr)
POLL 4502W—The Supreme Court, Civil Liberties, and Civil Rights, CIV, W1 (3 cr)
SOC 3101—Introduction to the American Criminal Justice System, SOCS, CIV (3 cr)
SOC 4101W—Sociology of Law, W1 (3 cr)
SOC 4161—Criminal Law in American Society (3 cr)
SOC 4162—Criminal Procedure in American Society (3 cr)
SOC 4170—Sociology of International Law, GP (3 cr)
SOC 4175—Law, Politics, and Inequality (3 cr)

Environmental Science Sub-plan

Required Courses for the Sub-plan

Students must complete 15 credits in the sub-plan. Six of the 15 credits must be taken at 3xxx or above. Other courses may be allowed in consultation with departmental adviser.

Take 15 or more credit(s) from the following:

ANTH 3041—Ecological Anthropology (3 cr)
ANTH 4069—Environmental Archaeology, SSCI, ENVT (3 cr)
APEC 3611—Environmental and Natural Resource Economics, ENV (3 cr)
ARCH 4561—Architecture and Ecology (3 cr)
BBE 4733—Renewable Energy Technologies (3 cr)
CE 3501—Environmental Engineering, ENV (3 cr)
CHEN 5551—Survey of Renewable Energy Technologies (3 cr)
ECON 3611—Environmental Economics (3 cr)
EEB 3001—Ecology and Society, ENV (3 cr)
ESPM 1011—Issues in the Environment, ENV (3 cr)
ESPM 2041—Natural Resources Consumption and Sustainability (3 cr)
ESPM 3011W—Ecology in Natural Resources, W1 (3 cr)
ESPM 3241W—Natural Resource and Environmental Policy: History, Creation, and Implementation, SOCS, CIV, W1 (3 cr)
ESPM 3251—Natural Resources in Sustainable International Development, GP (3 cr)
ESPM 3261—Economics and Natural Resources Management, SOCS, ENV (4 cr)
ESPM 3601—Our Home, Our Environment (3 cr)
ESPM 3603—Environmental Life Cycle Analysis (3 cr)
ESPM 3604—Environmental Management Systems and Strategy (3 cr)
FW 4102—Principles of Conservation Biology (3 cr)
FW 3455—Sustainable Aquaculture (3 cr)
GEO 1001—Earth and Its Environments, PHYS, ENV (4 cr)
GEO 1002—Earth History (4 cr)
GEO 3002—Climate Change and Human History, ENV (3 cr)
GEO 3003—Geohazards (3 cr)
GEO 3004—Water and Society (3 cr)
GEO 3005—Earth Resources (3 cr)
GEOG 3355—Environmental Quality (3 cr)
GEOG 3401—Geography of Environmental Systems and Global Change, ENV (4 cr)
HIST 3452—African Conservation Histories (3 cr)
HSCI 3244—History of Ecology and Environmentalism (3 cr)
LA 3501—Environmental Design and Its Biological and Physical Context, ENV (3 cr)
PHIL 3301—Environmental Ethics (3 cr)
SOC 3405—Society and the Environment: A Growing Conflict (3 cr)
SOC 4311—Race, Class, and the Politics of Nature (3 cr)
URBS 3751—Understanding the Urban Environment, ENV (3 cr)
AGRO 3203W—Environment, Global Food Production, and the Citizen, GP, W1 (3 cr)
or ANSC 3203W—Environment, Global Food Production, and the Citizen, GP, W1 (3 cr)
AGRO 3521—Ecology of Agricultural Systems (3 cr)
or ENT 3521—Ecology of Agricultural Systems (3 cr)
BIOL 3407—Ecology (3 cr)
or BIOL 3408W—Ecology, W1 (3 cr)
SUST 3003—Sustainable People, Sustainable Planet, ENV (3 cr)
or GLOS 3304—Sustainable People, Sustainable Planet (3 cr)
GEOG 3379—Environment and Development in the Third World, SOCS, ENV (3 cr)
or GLOS 3303—Environment and Development in the Third World (3 cr)
Sociology B.A.

Sociology

- Required credits to graduate with this degree: 120.
- Required credits within the major: 30 to 31.

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; 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 various countries add an international emphasis to these areas of study.

All sociology courses emphasize the skills of social inquiry necessary for analyzing patterns of social relationships.

Students may earn a B.A. or B.S. in sociology or sociology of law, criminology, and deviance, but not both. For more information, visit the sociology website for undergraduates at www.soc.umn.edu/ugrad/index.php.

Admission Requirements

Students must complete 1 courses before admission to the program.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Preparatory Coursework for Admission

SOC 1001—Introduction to Sociology, SOCS (4 cr)
or SOC 1011V—Honors: Introduction to Sociology, SOCS, WI, H (4 cr)

Program Requirements

Students are required to take 4 semester(s) of any second language.

Required Courses

SOC 3701—Social Theory (4 cr)
SOC 3801—Sociological Research Methods (4 cr)
SOC 3811—Basic Social Statistics, MATH (4 cr)

Required Electives

Students must complete at least five 3xxx–5xxx SOC elective courses. At least one must be 4xxx or higher. Honors students must complete at least two 4xxx or higher.

Final Project

Before beginning the senior project, students must be a declared major and have completed all major coursework except one sociology elective course. Students are strongly advised to contact the department at least two semesters in advance of registration to insure they are on the senior project wait list. During fall and spring semesters students have three senior project registration options.

SOC 4966W—Major-Project Seminar, WI (4 cr)
SOC 4969W—Directed Research: Senior Project, WI (4 cr)
SOC 4976W—Advanced Senior Project Independent Study, WI (1 cr)

The additional sociology elective must be pre-approved by the department adviser.

SOC 3xxx
SOC 4xxx

Sociology B.S.

Sociology

- Required credits to graduate with this degree: 120.
- Required credits within the major: 31.

The B.S. program is for students interested in developing a rigorous mathematical concentration in research methodologies. 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; 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 various countries add an international emphasis to these areas of study.

All sociology courses emphasize the skills of social inquiry necessary for analyzing patterns of social relationships.

Students may earn a B.A. or B.S. in sociology or sociology of law, criminology, and deviance, but not both. For more information, visit the sociology website for undergraduates at www.soc.umn.edu/ugrad/index.php.

Admission Requirements

Students must complete 1 courses before admission to the program.

To be considered for the B.S. option, students must submit a written proposal to the undergraduate adviser in the Department of Sociology. Students will be signed up for the B.A. in sociology until the proposal is approved by department faculty.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Preparatory Coursework for Admission

Students are encouraged to complete two semesters of calculus before declaring the major. Calculus is a prerequisite for some courses in the major.

SOC 1001—Introduction to Sociology, SOCS (4 cr)
or SOC 1011V—Honors: Introduction to Sociology, SOCS, WI, H (4 cr)

Program Requirements

The bachelor of science is designed for students interested in a more rigorous concentration in the applied areas of statistics, computer science, mathematics, and philosophy of science (rather than a second language). Students with high aptitude for research and statistics, and/or a career interest in marketing or research are typically most interested in this option. The B.S. can be an extremely difficult program for individuals who are not strong mathematical thinkers.

Core Course Requirements

SOC 3701—Social Theory (4 cr)
SOC 3801—Sociological Research Methods (4 cr)
SOC 3811—Basic Social Statistics, MATH (4 cr)

Required Electives

Students must complete at least five 3xxx–5xxx SOC elective courses. At least one must be 4xxx or higher. Honors students must complete at least two 4xxx or higher.

Final Project

All major coursework must be completed prior to beginning the senior project. Elective coursework must be taught by the same faculty member who is guiding the student’s project.

SOC 4966W—Major-Project Seminar, WI (1 cr)
or SOC 4994W—Directed Research: Senior Project, WI (4 cr)
or Consult with department adviser.

SOC 4967W—Advanced Senior Project Independent Study, WI (1 cr)
The additional sociology elective must be pre-approved by the department adviser.

SOC 3xxx
SOC 4xxx
SOC 5xxx

or

Honors

Honors students must take pro-seminars SOC 4977V and SOC 4978V in their senior year.

SOC 4977V—Senior Honors Proseminar I, WI, H (3 cr)
SOC 4978V—Senior Honors Proseminar II, WI, H (3 cr)

Supportive Field Group

Students must have a departmentally approved B.S. proposal before registering for supportive field group courses. Students are encouraged to take all four required courses from the first group of courses.

Take 4 or more course(s) from the following:

CSCI 4041—Algorithms and Data Structures (4 cr)
ECON 4113—Introduction to Mathematical Economics (4 cr)
ECON 4211—Principles of Econometrics (4 cr)
MATH 4242—Applied Linear Algebra (4 cr)
MATH 4606—Advanced Calculus (4 cr)
MATH 5248—Cryptography and Number Theory (4 cr)
MATH 5335—Geometry I (4 cr)
MATH 5651—Basic Theory of Probability and Statistics (4 cr)
MATH 5707—Graph Theory and Non-Enumerative Combinatorics (4 cr)

STAT 3021—Introduction to Probability and Statistics (3 cr)
STAT 3022—Data Analysis (4 cr)
STAT 4101—Theory of Statistics I (4 cr)
STAT 4102—Theory of Statistics II (4 cr)
STAT 5201—Sampling Methodology in Finite Populations (3 cr)
STAT 5302—Applied Regression Analysis (4 cr)
STAT 5421—Analysis of Categorical Data (3 cr)

Take no more than 2 course(s) from the following:

EPSY 3109—Learning, Cognition, and Assessment (3 cr)
EPSY 5113—Psychology of Instruction and Technology (3 cr)
EPSY 5114—Psychology of Student Learning (3 cr)
PHIL 3601W—Scientific Thought, WI (4 cr)
PHIL 4611—Philosophy of the Social Sciences (3 cr)
PSY 5862—Psychological Measurement: Theory and Methods (3 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Honors students must complete at least two of the required five SOC electives at the 4xxx level. Students must take pro-seminars SOC 4977V and SOC 4978V in their senior year. Before beginning the pro-seminars, students must have completed all major core courses and at least three of the five required SOC electives.

Sociology Minor

• Required credits in this minor: 18 to 20.

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.

Admission Requirements

Students must complete 4 credits before admission to the program.

Students are strongly urged to complete two additional sociology courses beyond the required intro to sociology course before declaring the minor.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Courses for Admission

Introduction to Sociology

SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
or SOC 1011V—Honors: Introduction to Sociology, CD, SSCI, WI, H (4 cr)
Minor Requirements

Minor Courses
SOC 3701—Social Theory (4 cr)
SOC 3801—Sociological Research Methods (4 cr)
or SOC 3811—Basic Social Statistics, MATH (4 cr)
Take 2 or more course(s) from the following:
SOC 3xxx
SOC 4xxx

Sociology of Law, Criminology, and Deviance B.A.

Sociology
- Required credits to graduate with this degree: 120.
- Required credits within the major: 31.
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; 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 various countries add an international emphasis to these areas of study. All sociology courses emphasize the skills of social inquiry necessary for analyzing patterns of social relationships.
Students may earn a B.A. or B.S. in sociology or in sociology of law, criminology, and deviance, but not both. For more information, visit the sociology website at www.soc.umn.edu/ugrad/index.php.

Admission Requirements
Students must complete 1 course before admission to the program.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required Preparatory Course for Admission
SOC 1001—Introduction to Sociology, SOCS (4 cr)
or SOC 1011V—Honors: Introduction to Sociology, SOCS, WI, H (4 cr)

Program Requirements
Students are required to take 4 semester(s) of any second language.
Before beginning the senior project, students must complete all major coursework except one elective course. Students must be on a pre-approved waiting list to register for the senior project and should contact the Department of Sociology at least two semesters in advance of registration.

Major Courses
SOC 3101—Introduction to the American Criminal Justice System, SOCS, CIV (3 cr)
or SOC 3102—Introduction to Criminal Behavior and Social Control (3 cr)
SOC 3701—Social Theory (4 cr)
SOC 3801—Sociological Research Methods (4 cr)
SOC 3811—Basic Social Statistics, MATH (4 cr)

Electives
Three credits must be in general sociology electives and at least 6 credits must be in law, criminology, and deviance (LCD) 4xxx electives.

Take 12 or more credit(s) from the following:
SOC 3xxx
SOC 4xxx
SOC 5xxx

General Sociology Electives
Take 1 or more course(s) from the following:
SOC 3xxx
SOC 4xxx

Senior Project
Before beginning the senior project, students must complete all major coursework except one elective course. The elective must be taught by the same faculty member who is guiding the student project. Elective coursework must be chosen from a list available from the department.
SOC 4094W—Directed Research: Senior Project, WI (4 cr)
or SOC 4966W—Major-Project Seminar, WI (4 cr)
or SOC 4967W—Advanced Senior Project Independent Study, WI (1 cr)
SOC 3xxx
or SOC 4xxx
or SOC 5xxx
or Honors students must take pro-seminars SOC 4977V and SOC 4978V in their senior year.

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.
Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.
Honors students must complete at least two of the required five SOC electives at the 4xxx level. Students must take pro-seminars SOC 4977V and SOC 4978V in their senior year. Before beginning the pro-seminars, students must have completed all major core courses and at least three of the five required SOC electives.

Sociology of Law, Criminology, and Deviance B.S.

Sociology
- Required credits to graduate with this degree: 120.
- Required credits within the major: 31.
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; 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 various countries add an international emphasis to these areas of study. All sociology courses emphasize the skills of social inquiry necessary for analyzing patterns of social relationships.

Students may earn a B.A. or B.S. in sociology or in sociology of law, criminology, and deviance, but not both. For more information, visit the sociology website at [www.soc.umn.edu /ugrad/index.php](http://www.soc.umn.edu/ugrad/index.php).

**Admission Requirements**

Students must complete 1 courses before admission to the program.

To be considered for the B.S. program, students must submit a written proposal to the undergraduate adviser in the Department of Sociology. Students will be signed up for the B.A. in sociology of law, criminology, and deviance until the proposal is approved by department faculty.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Preparatory Courses Required for Admission**

Students are encouraged to complete two semesters of calculus before declaring the major. Calculus is often a prerequisite to complete other courses in the major.

- SOC 1001—Introduction to Sociology, SOCS (4 cr)
- or SOC 101V—Honors: Introduction to Sociology, SOCS, WI, H (4 cr)

**Program Requirements**

All major coursework must be completed before beginning the senior project. Students must be on a pre-approved waiting list to register for the senior project and should contact the Department of Sociology at least two semesters in advance of registration.

**Major Courses**

- SOC 3101—Introduction to the American Criminal Justice System, SOCS, CIV (3 cr)
- or SOC 3102—Introduction to Criminal Behavior and Social Control (3 cr)
- SOC 3701—Social Theory (4 cr)
- SOC 3801—Sociological Research Methods (4 cr)
- SOC 3811—Basic Social Statistics, MATH (4 cr)
- MATH 5707—Graph Theory and Non-enumerative Combinatorics (4 cr)
- STAT 5421—Analysis of Categorical Data (3 cr)

Take no more than 2 course(s) from the following:

- EPSY 3191—Learning, Cognition, and Assessment (3 cr)
- EPSY 5131—Psychology of Instruction and Technology (3 cr)
- EPSY 5141—Psychology of Student Learning (3 cr)
- PHIL 3601W—Philosophical Thought, WI (4 cr)
- PHIL 4611—Philosophy of the Social Sciences (3 cr)
- PSY 5862—Psychological Measurement: Theory and Methods (3 cr)

**Program Sub-plans**

A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Honors students must complete at least two of the required five SOC electives at the 4xxx level. Students must take pro-seminars SOC 4977V and SOC 4978V in their senior year. Before beginning the pro-seminars, students must have completed all major core courses and at least three of the five required SOC electives.

**Sociology of Law, Criminology, and Deviance Minor**

- Required credits in this minor: 16.

Sociologists study human social behavior. More specifically, sociology examines how we group ourselves (families, social groups, formal organizations, societies); how we behave in groups (collective action, social change, crime and delinquency); and how characteristics like age, race, social class, and gender affect our relationships with each other and with organizations and institutions.

**Admission Requirements**

Students must complete 4 credits before admission to the program.

For information about University of Minnesota admission requirements, visit the Office of Admissions website.
Required Courses for Admission

Preparatory Courses
SOC 1001—Introduction to Sociology, CD, SSCI (4 cr)
or SOC 1011V—Honors: Introduction to Sociology, CD, SSCI, WI, H (4 cr)
or Equivalent Transfer Course

Minor Requirements
All courses must be taken A-F with a final grade of at least C- in each course.

Transfer students must meet the requirements either through approved coursework completed at their transfer institution or at the University of Minnesota, with at least 6 credits (at least two courses) from the University of Minnesota, Twin Cities, Department of Sociology.

Minor Courses
SOC 3101—Introduction to the American Criminal Justice System, C/PE, SSCI (3 cr)
or SOC 3102—Introduction to Criminal Behavior and Social Control (3 cr)
SOC 3701—Social Theory (4 cr)
or SOC 3811—Basic Social Statistics, MATH (4 cr)
or SOC 3812—Sociological Research Methods (4 cr)

Electives
Take one upper level non-criminology sociology course and two 41xx courses chosen from the LCD area of sociology.
Two 41xx courses (6 credits) from LCD area of sociology. Take 3 or more credit(s) from the following:
SOC 3xxx
SOC 4xxx

South Asian and Middle Eastern Studies Minor

Institute for Global Studies
This is a free-standing minor.

• Required credits in this minor: 15.
The minor requires completion of five 3xxx–5xxx courses (totaling at least 15 credits) related to South Asia and the Middle East.

Minor Requirements
Two years of an adviser-approved Middle Eastern or South Asian language is strongly recommended. A maximum of 3 credits may be in directed study or directed research, and courses must be drawn from at least three departments. All courses must be taken A-F with a grade of at least C-. The minor program must be approved by the global studies adviser.

Minor Courses
One course (3 credits) in the humanities of South Asia or the Middle East.
One course (3 credits) in the social sciences or history of South Asia or the Middle East.
9 credits of coursework relating to South Asia or the Middle East, chosen in consultation with a global studies adviser.

Spanish Studies B.A.

Spanish and Portuguese

• Required credits to graduate with this degree: 120.
• Required credits within the major: 34 to 35.
The program develops analytical skills and methodologies needed to explore Hispanic and Hispanic-American languages and cultures. The department offers two majors (Spanish studies and combined Spanish-Portuguese studies) and two minors (Spanish studies and Portuguese studies).

It is important to note that department majors and minors are not simply Spanish and Portuguese language majors or minors, rather, they are liberal arts majors and minors concentrating on Spanish, Latin American and/or Luso-Brazilian literary, cultural, and linguistic studies with language skills at the foundation. All major and minor options in this department begin with prerequisite language courses, followed by advanced language skills courses (special arrangements may be made for native speakers of Spanish or Portuguese). These are followed by critical analysis skills courses in Hispanic literature, culture, and linguistics that prepare students to take advanced coursework in specific areas. The major options culminate in the completion of an individual major research project through the graduation seminar.

The department strongly encourages majors and minors to study abroad in a Spanish or Portuguese-speaking area. Students who wish to complete department program requirements through study abroad must meet with the department adviser prior to departure. Detailed information regarding Spanish and Portuguese studies undergraduate academic issues is printed in the Undergraduate Advising Handbook (available at http://spanport.cla.umn.edu).

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of Spanish.
Students must complete at least 9 credits of advanced coursework, including SPAN 3972W, at the University of Minnesota, Twin Cities Department of Spanish and Portuguese. The Spanish major requires students to take at least five to six semesters of language, which goes above and beyond the CLA second language requirement. Students pursuing a second CLA major may choose to complete the major project requirement in the other major. These students are required to substitute 3 credits of advanced electives with a 31xx prerequisite in the Spanish major for SPAN 3972W.

Major Courses
Students receiving a grade below B- in SPAN 3015 must take SPAN 3021 as one of their elective courses.
SPAN 3015—Spanish Composition and Communication (4 cr)
SPAN 3104W—Introduction to the Study of Hispanic Literatures, LITR, WI (3 cr)
SPAN 3105W—Introduction to the Study of Hispanic Cultures, WI (3 cr)
SPAN 3107W—Introduction to the Study of Hispanic Linguistics, WI (3 cr)
SPAN 3021—Advanced Communication Skills (4 cr)
or department-approved substitute course

Electives
At least 12 credits must be in courses with a SPAN 31xx prerequisite. SPAN 3510, 3730, 3800, 3910, 3920, 3950, and 3970 may all be repeated for a total of 9 credits each. If SPAN 3970 is chosen, it must be taken for 3 credits. SPAN 36xx courses
Spanish Studies Minor

• Required credits in this minor: 16 to 17.

The Spanish studies minor focuses on Spanish and Latin American literary, cultural, and linguistic studies. Students begin with language skills courses. These are followed by analysis skills courses in Hispanic literature, culture, and linguistics. The department encourages minors to study abroad in a Spanish-speaking area.

Admission Requirements

Students must complete 4 courses before admission to the program.

Preparatory Courses Required for Admission

These courses must be taken in sequential order.

SPAN 1001—Beginning Spanish (5 cr)
SPAN 1002—Beginning Spanish (5 cr)
SPAN 1003—Intermediate Spanish (5 cr)
SPAN 1004—Intermediate Spanish (5 cr)
or SPAN 1014—Business Spanish (5 cr)
or SPAN 1044—Intermediate Medical Spanish (5 cr)

Minor Requirements

Students are required to take 4 semester(s) of Spanish. Students must declare the minor at least one full term before completing minor requirements and are encouraged to declare it as early as possible (preferably during preparatory coursework).

Minor Courses

Students receiving a grade below B- in SPAN 3015 must take SPAN 3021 as one of their elective courses.

One course taught in English may count toward the minor requirements. Students and instructor must sign a contract form declaring all written work will be completed in Spanish.

SPAN 3015—Spanish Composition and Communication (4 cr)
SPAN 3021—Advanced Communication Skills (4 cr)

Take 2 or more course(s) from the following:

SPAN 3104—Introduction to the Study of Hispanic Literatures, LITR, WI (3 cr)
SPAN 3105W—Introduction to the Study of Spanish Cultures, WI (3 cr)
SPAN 3107W—Introduction to the Study of Hispanic Linguistics, WI (3 cr)

Take 3 or more credit(s) from the following:

SPAN 3211—Discourses of Imperial Spain, 1492-1800 (3 cr)
SPAN 3212—Discourses of Modern and Contemporary Spain, 1800-Present (3 cr)
SPAN 3221—Latin American Colonial Discourses: Empire and Early Modernity (3 cr)
SPAN 3222—Discourses of Modern and Contemporary Latin America (3 cr)
SPAN 3501—Roots of Modern Spain and Latin America (3 cr)
SPAN 3502—Modern Spain (3 cr)
SPAN 3510—Issues in Hispanic Cultures (3 cr)
SPAN 3512—Modern Latin America (3 cr)
SPAN 3515—Structure of Spanish: Phonology and Phonetics (3 cr)
SPAN 3520—Structure of Spanish: Morphology and Syntax (3 cr)
SPAN 3535—Origins and History of Spanish and Portuguese (3 cr)
SPAN 3570—Sociolinguistics of the Spanish-Speaking World (3 cr)
SPAN 3571—Semantics and Pragmatics of Spanish (3 cr)
SPAN 3706—Spanish Applied Linguistics (3 cr)
SPAN 3707—Linguistic Accuracy Through Translation (3 cr)
SPAN 3730—Topics in Hispanic Linguistics (3 cr)
SPAN 3800—Film Studies in Spanish (3 cr)
SPAN 3910—Topics in Spanish Peninsular Literature (3 cr)
SPAN 3920—Topics in Spanish-American Literature (3 cr)
SPAN 3950—Figures in Spanish American Literature (3 cr)
SPAN 3970—Directed Studies (1-4 cr)

Approved SPAN xxx course. A maximum of 3 credits may have a prerequisite of only SPAN 3015.

Take no more than 3 credit(s) from the following:

SPAN 3xxx
PORT 3001—Portuguese for Spanish Speakers (4 cr)

Language Proficiency

The department emphasizes student initiative and responsibility in acquiring a high level of language proficiency that is crucial for successful completion of courses beyond SPAN 3021. The department sponsors study abroad programs in Argentina, Ecuador, Mexico, Venezuela, and Spain; offers a course in incorporating service learning in the local Chicano-Latino community; and provides a language tutoring lab and advanced writing center during the academic year while courses are in session.

Senior Project

All B.A. candidates must complete a major project in Spanish by registering in and attending SPAN 3972W after all other major credits are completed. Graduation seminar informational/preparatory sessions are available in the department several times a year. Permission for seminar registration must be obtained from the department advisor.

SPAN 3972W—Graduation Seminar, WI (3 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Preparatory Courses Required for Admission

These courses must be taken in sequential order.

SPAN 1001—Beginning Spanish (5 cr)
SPAN 1002—Beginning Spanish (5 cr)
SPAN 1003—Intermediate Spanish (5 cr)
SPAN 1004—Intermediate Spanish (5 cr)
or SPAN 1014—Business Spanish (5 cr)
or SPAN 1044—Intermediate Medical Spanish (5 cr)

Minor Requirements

Students are required to take 4 semester(s) of Spanish. Students must declare the minor at least one full term before completing minor requirements and are encouraged to declare it as early as possible (preferably during preparatory coursework).

Minor Courses

Students receiving a grade below B- in SPAN 3015 must take SPAN 3021 as one of their elective courses.

One course taught in English may count toward the minor requirements. Students and instructor must sign a contract form declaring all written work will be completed in Spanish.

SPAN 3015—Spanish Composition and Communication (4 cr)
SPAN 3021—Advanced Communication Skills (4 cr)

Take 2 or more course(s) from the following:

SPAN 3104—Introduction to the Study of Hispanic Literatures, LITR, WI (3 cr)
SPAN 3105W—Introduction to the Study of Spanish Cultures, WI (3 cr)
SPAN 3107W—Introduction to the Study of Hispanic Linguistics, WI (3 cr)

Take 3 or more credit(s) from the following:

SPAN 3211—Discourses of Imperial Spain, 1492-1800 (3 cr)
SPAN 3212—Discourses of Modern and Contemporary Spain, 1800-Present (3 cr)
SPAN 3221—Latin American Colonial Discourses: Empire and Early Modernity (3 cr)
SPAN 3222—Discourses of Modern and Contemporary Latin America (3 cr)
SPAN 3501—Roots of Modern Spain and Latin America (3 cr)
SPAN 3502—Modern Spain (3 cr)
SPAN 3510—Issues in Hispanic Cultures (3 cr)
SPAN 3512—Modern Latin America (3 cr)
SPAN 3515—Structure of Spanish: Phonology and Phonetics (3 cr)
SPAN 3520—Structure of Spanish: Morphology and Syntax (3 cr)
SPAN 3535—Origins and History of Spanish and Portuguese (3 cr)
SPAN 3570—Sociolinguistics of the Spanish-Speaking World (3 cr)
SPAN 3571—Semantics and Pragmatics of Spanish (3 cr)
SPAN 3706—Spanish Applied Linguistics (3 cr)
SPAN 3707—Linguistic Accuracy Through Translation (3 cr)
SPAN 3730—Topics in Hispanic Linguistics (3 cr)
SPAN 3800—Film Studies in Spanish (3 cr)
SPAN 3910—Topics in Spanish Peninsular Literature (3 cr)
SPAN 3920—Topics in Spanish-American Literature (3 cr)
SPAN 3950—Figures in Spanish American Literature (3 cr)

Spanish and Portuguese Studies B.A.

Spanish and Portuguese

- Required credits to graduate with this degree: 120.
- Required credits within the major: 35 to 36.

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 studies and combined Spanish-Portuguese studies) and two minors (Spanish studies and Portuguese studies).

It is important to note that department majors and minors are not simply Spanish and Portuguese language programs, rather, they are liberal arts programs concentrating on Spanish, Latin American, and/or Luso-Brazilian literary, cultural, and linguistics studies with language skills at the foundation. All major and minor options in this department begin with prerequisite language courses, followed by advanced language skills courses (special arrangements may be made for native speakers of Spanish or Portuguese). These are followed by critical analysis skills courses in Hispanic literature, culture, and linguistics that prepare students to take advanced coursework in specific areas. The major options culminate in the completion of an individual major research project through the graduation seminar.

The department strongly encourages majors and minors to study abroad in a Spanish- or Portuguese-speaking area. Students who wish to complete department program requirements through study abroad must meet with the department adviser prior to departure. Detailed information regarding undergraduate Spanish and Portuguese studies academic issues is printed in the Undergraduate Advising Handbook (also available at http://spanport.cla.umn.edu).

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of Spanish and Portuguese.

Students must complete at least 9 credits (three courses) of advanced major coursework, including SPAN 3972W, at the University of Minnesota, Twin Cities Department of Spanish and Portuguese Studies. The Spanish-Portuguese major requires students to take at least five to six semesters of language, which goes above and beyond the the CLA second language requirement. Students pursuing a second CLA major may choose to complete the major project requirement in the other major. These students are required to substitute 3 credits of advanced electives with a 31xx prerequisite in the Spanish-Portuguese major for SPAN 3972W.

Preparatory Courses

Complete the Spanish language sequence and PORT 3001 or the Spanish language sequence and the Portuguese language sequence.

Students may start above SPAN 1001 based on language placement.

Students who have not completed SPAN 1001 at the U of M must take SPAN 1022 in place of SPAN 1002.

Take 0 or more course(s) from the following:
SPAN 1001—Beginning Spanish (5 cr)
SPAN 1003—Intermediate Spanish (5 cr)
SPAN 1002—Beginning Spanish (5 cr)
or SPAN 1022—Alternate Second-Semester Spanish (5 cr)
SPAN 1004—Intermediate Spanish (5 cr)
or SPAN 1014—Business Spanish (5 cr)
or SPAN 1044—Intermediate Medical Spanish (5 cr)
PORT 3001—Portuguese for Spanish Speakers (4 cr)
or PORT 1101—Beginning Portuguese (5 cr)
and PORT 1102—Beginning Portuguese (5 cr)
and PORT 1103—Intermediate Portuguese (5 cr)
and PORT 1104—Intermediate Portuguese (5 cr)

Major Courses

Students receiving a grade below B- in SPAN 3015 must take SPAN 3021 as one of their elective courses.

PORT 3003—Portuguese Conversation and Composition (4 cr)
SPAN 3015—Spanish Conversation and Composition (4 cr)
SPAN 3104W—Introduction to the Study of Hispanic Literatures, LITR, WI (3 cr)
SPAN 3107W—Introduction to the Study of Hispanic Linguistics, WI (3 cr)
PORT 3501W—Foundations of Portuguese Literature and Culture, WI (3 cr)
or PORT 3502W—Foundations of Brazilian Literature and Culture, WI (3 cr)
or PORT 3503W—Literatures and Cultures of Lusophone Africa, WI (3 cr)

Electives

At least 6 credits must be in courses with a 31xx prerequisite.

Spanish Electives

Take 2 or more course(s) totaling 6 or more credit(s) from the following:
SPAN 3211—Discourses of Imperial Spain, 1492-1800 (3 cr)
SPAN 3212—Discourses of Modern and Contemporary Spain, 1800-Present (3 cr)
SPAN 3221—Latin American Colonial Discourses: Empire and Early Modernity (3 cr)
SPAN 3222—Discourses of Modern and Contemporary Latin America (3 cr)
SPAN 3501—Roots of Modern Spain and Latin America (3 cr)
SPAN 3502—Modern Spain (3 cr)
SPAN 3510—Issues in Hispanic Cultures (3 cr)
SPAN 3512—Modern Latin America (3 cr)
SPAN 3701—Structure of Spanish: Phonology and Phonetics (3 cr)
SPAN 3702—Structure of Spanish: Morphology and Syntax (3 cr)
SPAN 3703—Origins and History of Spanish and Portuguese (3 cr)
SPAN 3704—Sociolinguistics of the Spanish-Speaking World (3 cr)
SPAN 3705—Semantics and Pragmatics of Spanish (3 cr)
SPAN 3706—Spanish Applied Linguistics (3 cr)
SPAN 3707—Linguistic Accuracy Through Translation (3 cr)
SPAN 3730—Topics in Hispanic Linguistics (3 cr)
SPAN 3800—Film Studies in Spanish (3 cr)
SPAN 3910—Topics in Spanish Peninsular Literature (3 cr)
SPAN 3920—Topics in Spanish-American Literature (3 cr)
SPAN 3950—Figures in Spanish American Literature (3 cr)

PORTuguese Electives

Take 2 or more course(s) totaling 6 or more credit(s) from the following:
PORT 3501W—Foundations of Portuguese Literature and Culture, WI (3 cr)
PORT 3502W—Foundations of Brazilian Literature and Culture, WI (3 cr)
PORT 3503W—Literatures and Cultures of Lusophone Africa, WI (3 cr)
SPAN 3800—Film Studies in Portuguese (3 cr)
PORT 3910—Topics in Lusophone Literatures and Cultures (3 cr)
PORT 3970—Directed Readings (1–4 cr)
Speech-Language-Hearing Sciences Minor

Major Courses
- SLHS 3302—Anatomy and Physiology of the Speech and Hearing Mechanisms (3 cr)
- SLHS 3303—Language Acquisition and Science (3 cr)
- SLHS 3305W—Speech Science, WI (3 cr)
- SLHS 3306—Hearing Science (3 cr)
- SLHS 4301—Introduction to the Neuroscience of Human Communication (3 cr)
- SLHS 4402—Assessment and Treatment in Speech-Language Pathology (3 cr)
- SLHS 4801—Hearing Measurement and Disorders (3 cr)
- SLHS 4802—Rehabilitative Audiology (3 cr)
- SLHS 1301W—The Physics and Biology of Spoken Language, PHYS, WI (4 cr)
- SLHS 1402—The Talking Brain, SOCS (3 cr)
- SLHS 1401—Communication Differences and Disorders, SOCS (3 cr)
- SLHS 3401—Communication Differences and Disorders, SOCS (3 cr)

Senior Project
SLHS 3402W—Major Project in Speech and Hearing Science, WI (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Speech-Language-Hearing Sciences B.A.

Speech-Language-Hearing Sciences
- Required credits to graduate with this degree: 120.
- Required credits within the major: 36 to 37.

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

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements
Students are required to take 4 semester(s) of any second language.

Majors are advised to select additional courses beyond those needed to satisfy the liberal education requirements in the behavioral, biological, cognitive, physical, and social sciences; mathematics; statistics; and research design and methodology.

Language Proficiency
The department emphasizes student initiative and responsibility in acquiring a high level of language proficiency crucial for successful completion of courses beyond SPAN 3021 and PORT 3003. Department sponsors study abroad programs in Argentina, Ecuador, Mexico, Venezuela, and Spain, offers a course incorporating service learning in the local Chicano-Latino community, and provides a language tutoring lab and advanced writing center during the academic year while courses are in session.

Senior Project
All B.A. candidates must complete a major project in Spanish-Portuguese by registering in and attending SPAN 3972W after all other major credits are completed. Graduation seminar informational/preparatory sessions are available in the department several times a year. Permission for seminar registration must be obtained from the department adviser.

SPAN 3972W—Graduation Seminar, WI (3 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Speech-Language-Hearing Sciences Minor
- Required credits in this minor: 14.

The minor’s curriculum examines the physical, biological, and behavioral foundations of human communication. Courses focus on the study of variation in speech, language, and hearing processes, and apply that knowledge to identifying, preventing, and managing disordered speech, language, and hearing.

Minor Requirements
Choose 14 credits of 3xxx, 4xxx, or 5xxx courses in the Department of Speech-Language-Hearing Sciences. No more than 20 percent of the credits may be directed study. All courses must be completed with a grade of at least C.

Minor Courses
Students may need instructor permission to take 5xxx courses.

Take 14 or more credit(s) from the following:
- SLHS 3xxx
- SLHS 4xxx
- SLHS 5xxx
Statistics B.A.

School of Statistics

- Required credits to graduate with this degree: 120.
- Required credits within the major: 50 to 53.

Statistics is concerned with theories and methods of data collection, tabulation, analysis, and interpretation, and their use in learning from data and making decisions.

A bachelor’s degree gives students an understanding of the theory of statistics and trains them in basic use of the most important types of statistical methods. The degree prepares students for graduate work or for jobs in such diverse areas as marketing analysis, quality management, and support for scientific research.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

Students must complete two years of mathematics, one course in computer programming, 27 credits in statistics 3xxx or higher (a sequence of two courses in statistical theory, two courses in statistical methods and at least three elective courses in statistics).

Mathematics

MATH 1271—Calculus I (4 cr)
or MATH 1371—IT Calculus I (4 cr)
MATH 1272—Calculus II (4 cr)
or MATH 1372—IT Calculus II (4 cr)
MATH 2243—Linear Algebra and Differential Equations (4 cr)
or MATH 2373—IT Linear Algebra and Differential Equations (4 cr)
MATH 2263—Multivariable Calculus (4 cr)
or MATH 2374—IT Multivariable Calculus and Vector Analysis (4 cr)
MATH 4242—Applied Linear Algebra (4 cr)

or

Honors Sequence

MATH 1571H—Honors Calculus I, H (4 cr)
MATH 1572H—Honors Calculus II, H (4 cr)
MATH 2573H—Honors Calculus III, H (4 cr)
MATH 2574H—Honors Calculus IV, H (4 cr)
MATH 4242—Applied Linear Algebra (4 cr)

Major Courses

STAT 3022—Data Analysis (4 cr)
STAT 4893W—Senior Paper, WI (1 cr)
STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
or STAT 3021—Introduction to Probability and Statistics (3 cr)

StatisticsTheory

Choose a theory course group:

STAT 4101—Theory of Statistics I (4 cr)
and STAT 4102—Theory of Statistics II (4 cr)
or STAT 5101—Theory of Statistics I (4 cr)
and STAT 5102—Theory of Statistics II (4 cr)
or MATH 5651—Basic Theory of Probability and Statistics (4 cr)
and STAT 5102—Theory of Statistics II (4 cr)

Programming for Statisticians

CSCI 1103—Introduction to Computer Programming in Java (4 cr)
or CSCI 1107—FORTRAN Programming (1–3 cr)
or CSCI 1113—Introduction to C/C++ Programming for Scientists and Engineers (4 cr)

Electives

Take 10 or more credit(s) from the following:

STAT 4931—Topics in Statistics (3 cr)
STAT 5031—Statistical Methods for Quality Improvement (4 cr)
STAT 5041—Bayesian Decision Making (3 cr)
STAT 5201—Sampling Methodology in Finite Populations (3 cr)
STAT 5302—Applied Regression Analysis (4 cr)
STAT 5303—Designing Experiments (4 cr)
STAT 5401—Applied Multivariate Analysis (3 cr)
STAT 5421—Analysis of Categorical Data (3 cr)
STAT 5601—Nonparametric Methods (3 cr)
STAT 5931—Topics in Statistics (3 cr)
STAT 5932—Topics in Statistics (3 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Statistics Minor

- Required credits in this minor: 14.

Statistics is concerned with theories and methods of data collection, tabulation, analysis, and interpretation, and their use in learning from data and making decisions.

Minor Requirements

Minor Courses

At least 2 courses must be taken at the 4xxx-5xxx level.

Take 10 or more credit(s) from the following:

STAT 3xxx
STAT 4xxx
STAT 5xxx

Studies in Cinema and Media Culture B.A.

Cultural Studies and Comparative Literature

- Required credits to graduate with this degree: 120.
- Required credits within the major: 32.

Studies in cinema and media culture (SCMC) examines cinema by emphasizing its location within the intricate social, historical, and cultural matrix of audiovisual forms and practices. Core courses and electives are offered not only in the Department of Cultural Studies and Comparative Literature (CSCL) but also in a number of other contributing departments. Through the program’s interdisciplinary framework, students explore the sounds and images of cinema as they have changed throughout the 19th and 20th centuries. Print, photography, radio, television, video, and digital media are also considered crucial to understanding the
Students develop the ability to “read” the production and circulation of meaning in cinema, especially within the institutions of mass culture; examine the history of cinema cultures; engage the cross-cultural and global dynamics of cinema production and reception; and explore the theoretical models that have shaped thinking about the cinema and its relations to other media.

Although the major includes a production component, its principal focus is on cultural contexts, history, and theory.

Effective fall 2001 the studies in cinema and media culture major replaced the film studies major. Currently declared film studies majors have the option of either completing their degree in film studies or transferring to the new SCMC major. The director of undergraduate studies can help students transfer programs.

For the latest information on the SCMC major, visit the CSCL website.

Admission Requirements

For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.

All major courses must be taken A-F. Grades in the major must be C- or better.

Note on topics courses, directed studies, and internships:

Students may use up to a total of three of these in their major, no more than two in any one category (two topics courses; two directed studies/internships). Such courses may be counted in section C without prior approval provided they are on the current semester SCMC approved list. Directed studies and internships may also be counted in section C with prior written approval from the SCMC undergraduate adviser or the director of undergraduate studies. In rare cases, such courses may be used in section B, but only with prior written approval from the SCMC undergraduate adviser or director of undergraduate studies. Internships fall under the category of directed studies: students find a faculty member willing to work with them and submit a Faculty/Student Contract form under the course number appropriate to the department (3993, 4993, or 5993).

Major Courses

ARTH 1921W—Introduction to Film Study, WI (4 cr)
or
CSL1201—Introduction to Cinema and Media Culture, AH (4 cr)
or
CSCL 1921—Introduction to Film Study, AH (4 cr)
or
SCMC 1201—Introduction to Cinema and Media Culture, AH (4 cr)
ARTH 3921W—Art of the Film, WI (4 cr)
or
SCMC 3001W—History of Cinema and Media Culture, WI (4 cr)
SCMC 5001—Critical Debates in the Study of Cinema and Media Culture (4 cr)

Context, Practice, Difference, and Analysis

AMST 3252W—American Popular Culture and Politics: 1900 to 1940, HIS, CIV, WI (4 cr)
or
AMST 3253W—American Popular Culture and Politics: 1940 to the Present, HIS, CIV, WI (4 cr)
or
COMM 3211—Introduction to U.S. Electronic Media (3 cr)
or
COMM 5261—Political Economy of Media Culture (3 cr)
or
HIST 3705—From Printing Press to Internet: Media, Communications, and History (3 cr)
or
HSCI 4321—History of Computing, TS, HIS (3 cr)
or
JOUR 3644—History of Media Communication, HIS (3 cr)
or
JOUR 3745—Mass Media and Popular Culture, AH, DSJ (3 cr)
or
JOUR 5615—History of the Documentary (3 cr)

Electives

One elective may be 1xxx, and one 2xxx, 3xxx, 4xxx, 5xxx course may serve as a basis for the senior project. Courses used to fulfill other requirements may not be counted toward the elective course requirement.

Take 3 or more course(s) from the following:

AFRO 3654—African Cinema (4 cr)
AFRO 3741—People of Color and the Mass Media (3 cr)
AFRO 4655—African American Cinema (3 cr)
ALL 1001—Asian Film and Animation (3 cr)
ALL 3356W—Chinese Film, AH, WI (3 cr)
ALL 3456—Japanese Film (3 cr)
AMIN 3402—American Indians and the Cinema, AH, DSJ (3 cr)
AMST 3251—American Popular Culture and Politics: 1900 to 1940, HIS, CIV, WI (4 cr)
AMST 3252—American Popular Culture and Politics: 1940 to the Present, HIS, CIV, WI (4 cr)
AMST 3253—American Popular Culture and Politics: 1940 to the Present, HIS, CIV, WI (4 cr)
AMST 3253W—American Popular Culture and Politics: 1940 to the Present, HIS, CIV, WI (4 cr)
ARTH 1921W—Introduction to Film Study, WI (4 cr)
ARTH 3921W—Art of the Film, WI (4 cr)
ARTH 5927—Documentary Cinema (4 cr)
ARTS 3501—New Media: Making Art Interactive (4 cr)
ARTS 3703—Photography: Digital Imaging (4 cr)
ARTS 5610—New Media: Making Art Interactive (4 cr)
COMM 3201—Introduction to Electronic Media Production (3–4 cr)
COMM 3204—Advanced Electronic Media Production (4 cr)
COMM 3211—Introduction to U.S. Electronic Media (3 cr)
COMM 4231—Comparing Electronic Media Systems (3 cr)
COMM 4235—Electronic Media and Ethnic Minorities—A World View, IP (3 cr)
COMM 5210—Contemporary Problems in U.S. Electronic Media (3 cr)
COMM 5233W—Electronic Media and National Development, WI (3 cr)
CSCL 1201—Introduction to Cinema and Media Culture, AH (4 cr)
CSCL 1921—Introduction to Film Study, AH (4 cr)
CSCL 3115—Cinema and Ideology, AH (4 cr)
CSCL 3176—Oppositional Cinemas, GP (4 cr)
CSCL 3177—On Television (4 cr)
ENGL 3040—Studies in Film (3 cr)
ENGW 5205—Screenwriting (4 cr)
FRT 3802—Cinema and Realism (3 cr)
FRT 3803—New Wave Cinemas: Love, Alienation and Landscape in Post-War Italian and French Film (3 cr)
GER 1601—Fleeing Hitler: German and Austrian Filmmakers Between Europe and Hollywood (3 cr)
GER 3604W—Introduction to German Cinema, AH, GP, WI (3 cr)
HIST 3705—From Printing Press to Internet: Media, Communications, and History (3 cr)
HSCI 4321—History of Computing, TS, HIS (3 cr)
ITAL 1837—Imagining Italy: Italian and Italian-American Culture, History, and Society Through Film (4 cr)
Information listed in this catalog is current as of April 2010. For up-to-date information, visit www.catalogs.umn.edu.

**College of Liberal Arts**

**JOUR 1001**—Introduction to Mass Communication, SOCS (3 cr)
**JOUR 3614**—History of Media Communication, HIS (3 cr)
**JOUR 3741**—People of Color and the Mass Media, DSJ (3 cr)
**JOUR 3796**—Mass Media and Politics (3 cr)
**JOUR 5615**—History of the Documentary (3 cr)
**POL 1015**—Mass Politics in a Media Age (3 cr)
**POL 3491**—Film and Latin American Politics (3 cr)
**SCMC 1201**—Introduction to Cinema and Media Culture, AH (4 cr)
**SCMC 3001W**—History of Cinema and Media Culture, WI (4 cr)
**SCMC 5001**—Critical Debates in the Study of Cinema and Media Culture (4 cr)
**SPAN 3800**—Film Studies in Spanish (3 cr)
**GWSS 3409W**—Asian American Women's Cultural Production, AH, DSJ, WI (3 cr)
**ARTH 3927**—Documentary Cinema (4 cr)
**GEOG 3374W**—The City in Film, AH, WI (4 cr)

**Senior Project**
Complete one of the following:
- Project within a 3xxx–5xxx directed study
- Project within a 3xxx–4xxx course (arrangement with instructor)
- Coursework, including substantial writing, in any 5xxx SCMC major course from the approved list
- Honors project or thesis

Although SCMC emphasizes contextual analysis, history, and theory, production projects (e.g., short films, video installations) are welcome.

**Program Sub-plans**
A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Studies in Cinema and Media Culture Minor**
- Required credits in this minor: 18.

Studies in cinema and media culture (SCMC) examines cinema by emphasizing its location within the intricate social, historical, and cultural matrix of audiovisual forms and practices.

**Minor Requirements**

**Minor Courses**
**ARTH 1921W**—Introduction to Film Study, IP, OH, WI (4 cr)
**CSCL 1201**—Introduction to Cinema and Media Culture, OH (4 cr)
**CSCL 1921**—Introduction to Film Study, OH (4 cr)
**SCMC 1201**—Introduction to Cinema and Media Culture, OH (4 cr)

**Electives**
Take 14 credits of 3xxx–5xxx courses from the approved list.

**Swedish Minor**
**German, Scandinavian, and Dutch**
This is a free-standing minor.
- Required credits in this minor: 16.
The minor includes study of the spoken language, literature, culture, and civilization.

**Minor Requirements**
Students are required to take 4 semester(s) of Swedish.
The minor consists of a minimum of 16 credits in 3xxx, 4xxx, and 5xxx courses with no more than one being a directed or independent study course. All courses must be taken A-F and completed with a grade of C- or better. At least one course must be taken in the University of Minnesota’s Scandinavian Program. The program must be approved by the director of undergraduate studies.

**Minor Courses**
**SCAN 3011**—Readings in Scandinavian Languages (4 cr)
Take 4 or more course(s) totaling 12 or more credit(s) from the following:
**SCAN 3xxx**
**SCAN 4xxx**
**SCAN 5xxx**

**Technical Communication Minor**
**Writing Studies**
This is a free-standing minor.
- Required credits in this minor: 16.
The minor provides theoretical and practical information about how to communicate complex technical information to various audiences. Students take required courses in oral and written communication and in communication technologies. Additional courses (e.g., visual communication, project management, international communication) are selected to complement students’ career plans. For help in planning the minor, contact the major coordinator of the Scientific and Technical Communication Program in the Department of Writing Studies.

Students must complete at least 16 credits for the minor.

**Minor Requirements**
Independent study and internship courses cannot be used to satisfy the WRIT 3xxx–5xxx elective requirement.

**Minor Courses**
**WRIT 3441**—Editing, Critique, and Style (3 cr)
**WRIT 3562W**—Technical and Professional Writing, WI (4 cr)
**WRIT 3257**—Scientific and Technical Presentations (3 cr)
**WRIT 3671**—Visual Rhetoric and Document Design (3 cr)
Take 2 or more course(s) from the following:
**WRIT 3xxx**
**WRIT 4xxx**
**WRIT 5xxx**
Theatre Arts B.A.

Theatre Arts and Dance
- Required credits to graduate with this degree: 120.
- Required credits within the major: 43.
This degree 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 stage and arts 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.

For students interested in a BFA program, see Acting BFA for requirements.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Major Courses
- TH 1101W—Introduction to the Theatre, AH, WI (4 cr)
- TH 1321—Beginning Acting: Fundamentals of Performance (3 cr)
- TH 1322—Creating the Performance (3 cr)
- TH 3171—History of the Theatre: Ancient Greece Through Neo-Classicism (3 cr)
- TH 3172—History of the Theatre: Age of Enlightenment to Present (3 cr)
- TH 3513—Design and Technical Production I (4 cr)
- TH 3515—Design and Technical Production II (4 cr)
- TH 4177W—Survey of Dramatic Literature I: Strategic Interpretation, WI (3 cr)
- or TH 4178W—Survey of Dramatic Literature II: Representation and its Effects, WI (3 cr)

Theatre Practicum
Take no more than 2 credits in acting.

Take 4 or more credit(s) from the following:
- TH 3100—Theatre Practicum (1 cr)

Electives
Take 3 or more course(s) totaling 10 or more credit(s) from the following:
- TH 3xx
- TH 4xx
- TH 5xx
- DNCE 3xx
- DNCE 4xx
- DNCE 5xx

Senior Seminar
- TH 4901—Senior Seminar (2 cr)

Program Sub-plans
A sub-plan is not required for this program.

Honors (UHP) Sub-plan
Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

Theatre Arts Minor
- Required credits in this minor: 24.

The minor 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 stage and arts management.

Minor Requirements

Minor Courses
- TH 1101W—Introduction to the Theatre, IP, LIT, WI (4 cr)
- TH 1321—Beginning Acting: Fundamentals of Performance (3 cr)
- TH 1322—Creating the Performance (3 cr)
- TH 3513—Design and Technical Production I (4 cr)
- TH 3515—Design and Technical Production II (4 cr)
- TH 4177W—Survey of Dramatic Literature I: Strategic Interpretation, WI (3 cr)
- or TH 4178W—Survey of Dramatic Literature II: Representation and its Effects, WI (3 cr)

Urban Studies B.A.

Geography
- Required credits to graduate with this degree: 120.
- Required credits within the major: 38.

This cross-disciplinary major involves urban studies coursework, fieldwork experiences, internships, and coursework 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. Students completing the program work in public agencies or private business or pursue 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 South America, Norway, and Minneapolis-St. Paul.

Admission Requirements
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Program Requirements

Students are required to take 4 semester(s) of any second language.
Major Courses

URBS 1001W—Introduction to Urban Studies: The Complexity of Metropolitan Life, WI (3 cr)

Take 8 or more credit(s) from the following:
  Take 2 or more credit(s) from the following:
    URBS 3201—Urban Studies Colloquium (1 cr)
    URBS 3202—Urban Studies Colloquium (1 cr)

Take 6 or more credit(s) from the following:
  URBS 3500—Urban Studies Workshop (3 cr)

Skills and Methods Courses

Take 2 or more course(s) totaling 6 or more credit(s) from the following:
  Take 0–1 course(s) from the following:
    EPSY 3264—Basic and Applied Statistics, MATH (3 cr)
    EPSY 5261—Introductory Statistical Methods (3 cr)
    GEOG 3511—Principles of Cartography (4 cr)
    GEOG 3531—Numerical Spatial Analysis (4 cr)
    PA 5031—Empirical Analysis I (4 cr)
    PSY 3001W—Introduction to Research Methods, WI (3 cr)
    SOC 3801—Sociological Research Methods (4 cr)
    SOC 3811—Basic Social Statistics, MATH (4 cr)
    STAT 3011—Introduction to Statistical Analysis, MATH (4 cr)
    STAT 3021—Introduction to Probability and Statistics (3 cr)

Take 0 or more course(s) from the following:
  GEOG 3561—Principles of Geographic Information Science (4 cr)
  GEOG 5511—Principles of Cartography (3 cr)
  GEOG 5562—Geographic Information Science and Analytical Cartography (3 cr)
  GEOG 5563—Advanced Geographic Information Science and Analytical Cartography (3 cr)
  STAT 4101—Theory of Statistics I (4 cr)
  STAT 4102—Theory of Statistics II (4 cr)
  STAT 5021—Statistical Analysis (4 cr)
  STAT 5201—Sampling Methodology in Finite Populations (3 cr)
  STAT 5401—Applied Multivariate Methods (3 cr)
  STAT 5421—Analysis of Categorical Data (3 cr)
  STAT 5922—Data Analysis (4 cr)

Take 0 or more course(s) from the following:
  CE 3101—Computer Applications in Civil Engineering I (3 cr)
  HSG 4564—Understanding Housing: Assessment and Analysis (3 cr)
  GEOG 5564—Urban Geographic Information Science and Analysis (3 cr)
  GEOG 5588—Multimedia Cartography (3 cr)
  HIST 5011—Quantitative Methods for Historical Research (4 cr)
  PA 5022—Economics For Policy Analysis and Planning II (1.5-3 cr)
  PA 5271—Geographic Information Systems: Applications in Planning and Policy Analysis (3 cr)
  POL 3085—Quantitative Analysis in Political Science, MATH (4 cr)

Take 0 or more course(s) from the following:
  GEOG 5565—Geographical Analysis of Human-Environment Systems (3 cr)
  GEOG 5701—Field Research (3 cr)
  MKTG 3010—Marketing Research (4 cr)
  PA 5035—Survey Research and Data Collection (1.5 cr)
  PA 5112—Public Budgeting (3 cr)
  PA 5221—Private Sector Development (3 cr)
  PA 5511—Community Economic Development (3 cr)
  PA 5521—Development Planning and Policy Analysis (4 cr)
  GWSS 5101—Feminist Approaches to Ethnography (3 cr)
  AFRO 5551—Methods: Use of Oral Traditions as Resources for History (3 cr)
  HIST 3001—Public History (3 cr)

Take 0–1 course(s) from the following:
  COMM 3411—Introduction to Small Group Communication (3 cr)
  COMM 3441—Introduction to Organizational Communication (3 cr)
  COMM 5411—Small Group Communication Research (3 cr)
  COMM 5441—Communication in Human Organizations (3 cr)
  PA 4101—Nonprofit Management and Governance (3 cr)
  PA 5253—Designing Planning and Participation Processes (3 cr)

WRIT 4573W—Writing Proposals and Grant Management, WI (3 cr)

Urban Form and Society Courses

This is Track A.

Take 2 or more course(s) from the following:
  AFRO 4013—Cities in Africa: African, Islamic, European Traditions (3 cr)
  ARCH 3412—Architectural History Since 1750 (3 cr)
  ARCH 4445W—Suburbia, WI (3 cr)
  CSCL 5256W—Suburbia, WI (3 cr)
  HSG 2463—Housing and Community Development (3 cr)
  GEOG 3371W—Cities, Citizens, and Communities, DSI, WI (4 cr)
  GEOG 3373—Changing Form of the City, HIS, GP (3 cr)
  GEOG 3605W—Geographical Perspectives on Planning, WI (4 cr)
  GEOG 3972—Geography of the Twin Cities (3 cr)
  GEOG 5371W—American Cities I: Population and Housing, WI (4 cr)
  GEOG 5605W—Geographical Perspectives on Planning, WI (4 cr)
  HIST 3479—History of Chinese Cities and Urban Life (3–4 cr)
  HIST 3703W—European Cities: 1300-1800, WI (3 cr)

Internship and Senior Paper

Students planning to complete their degree requirements at the end of fall semester should take URBS 3993 in place of URBS 3955W to complete the senior paper requirement.

URBS 3900—Urban Studies Internship Seminar (2 cr)
URBS 3955W—Senior Paper Seminar, WI (2 cr)

Urban Studies Concentrations

Students are required to complete one of the following course groups.

Social and Cultural Analysis of Urban Life

This is Track B.

Take 3 or more course(s) from the following:
  AFRO 3072—Racism: Social and Psychological Consequences for Black Americans (3 cr)
  AFRO 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
  AFRO 5910—Topics in African American and African Studies (1–3 cr)
  AMIN 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
  AMIN 4511—American Indian Political Economy, CD (3 cr)
  CHIC 4231—The Color of Public Policy: African Americans, American Indians, and Chicanos in the United States (3 cr)
  COMM 3451W—Intercultural Communication: Theory and Practice, IP, WI (3 cr)
  COMM 5451W—Intercultural Communication Processes, IP, WI (3 cr)
  HSG 4467W—Housing and the Social Environment, WI (4 cr)
  GEOG 3374W—The City in Film, AH, WI (4 cr)
  GEOG 3375W—Minority Settlement in America (3 cr)
  GEOG 5374W—The City in Film, WI (4 cr)
  HIST 3821—United States in the 20th Century to 1945 (3 cr)
  HIST 3822—United States in the 20th Century Since 1945, HP (3 cr)
  HIST 3831—Labor in the 19th-Century United States (3 cr)
  HIST 3852—U.S. Labor in the 20th Century (3 cr)
  HIST 3865—African American History, 1865 to Present (4 cr)
  HIST 3872—American Indian History: 1830 to the Present, HIS, DSI (3 cr)
  PA 5401—Poverty, Inequality, and Public Policy (3 cr)
  PA 5601—Survey of Women, Law, and Public Policy in the United States (3 cr)
  POL 3739—Politics of Race, Class, and Ethnicity (3 cr)
  PSY 3201—Introduction to Social Psychology (4 cr)
  SOC 3451W—Cities and Social Change, WI (3 cr)
  SOC 4108—Current Issues in Crime Control (3 cr)
  SW 3101—Interventions in Community and Social Policy (3 cr)
  SW 5101—Historical Origins and Contemporary Policies and Programs in Social Welfare (3–4 cr)
**Urban Political Economy**

This is Track C.

*Take 3 or more course(s) from the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESPM 3245</td>
<td>Sustainable Land Use Planning and Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>URBS 3751</td>
<td>Understanding the Urban Environment</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5722</td>
<td>Environmental and Resource Economics Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5421</td>
<td>Racial Inequality and Public Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5231</td>
<td>Transit Planning and Management</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5212</td>
<td>Managing Urban Growth and Change</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5290</td>
<td>Topics in Planning</td>
<td>1–3 cr</td>
</tr>
</tbody>
</table>

**Urban Infrastructure and Environment**

This is Track D.

*Take 3 or more course(s) from the following:*

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ESPM 3011W</td>
<td>Ethics in Natural Resources</td>
<td>3 cr</td>
</tr>
<tr>
<td>ECON 3611</td>
<td>Environmental Economics</td>
<td>3 cr</td>
</tr>
<tr>
<td>CE 5201</td>
<td>Transportation Engineering</td>
<td>3 cr</td>
</tr>
<tr>
<td>CE 5212</td>
<td>Transportation Policy, Planning, and Deployment</td>
<td>4 cr</td>
</tr>
<tr>
<td>ESPM 311W</td>
<td>Environmental Design and the Sociocultural Context</td>
<td>3 cr</td>
</tr>
<tr>
<td>ARCH 4711</td>
<td>Historical Preservation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ARCH 4701W</td>
<td>Introduction to Urban Form and Theory</td>
<td>3 cr</td>
</tr>
<tr>
<td>ARCH 5672</td>
<td>Historic Building Conservation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ARCH 5673</td>
<td>Historic Building Research and Documentation</td>
<td>3 cr</td>
</tr>
<tr>
<td>ARCH 5711</td>
<td>Theory and Principles of Urban Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>CE 3201</td>
<td>Transportation Engineering</td>
<td>3 cr</td>
</tr>
<tr>
<td>CE 5211</td>
<td>Traffic Engineering</td>
<td>3 cr</td>
</tr>
<tr>
<td>GWSS 5404</td>
<td>Working Class Women's Cultures</td>
<td>3 cr</td>
</tr>
<tr>
<td>CHIC 4275</td>
<td>Theory in Action: Community Engagement in a Social Justice Framework</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5290</td>
<td>Topics in Planning</td>
<td>1–3 cr</td>
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<tr>
<td>PA 5231</td>
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<td>PA 5421</td>
<td>Racial Inequality and Public Policy</td>
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<td>Environmental and Resource Economics Policy</td>
<td>3 cr</td>
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<td>URBS 3751</td>
<td>Understanding the Urban Environment</td>
<td>3 cr</td>
</tr>
<tr>
<td>ESPM 3245</td>
<td>Sustainable Land Use Planning and Policy</td>
<td>3 cr</td>
</tr>
<tr>
<td>URBS 3771</td>
<td>Fundamentals of Transit</td>
<td>3 cr</td>
</tr>
</tbody>
</table>

**Program Sub-plans**

A sub-plan is not required for this program.

**Honors (UHP) Sub-plan**

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at [www.honors.umn.edu/academics/curriculum/dept_courses_current.html](http://www.honors.umn.edu/academics/curriculum/dept_courses_current.html).

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.

**Urban Studies B.S.**

**Geography**

- Required credits to graduate with this degree: 120.
- Required credits within the major: 44 to 48.

This cross-disciplinary major involves urban studies coursework, fieldwork experiences, internships, and coursework 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. Students completing the program work in public agencies or private business or pursue 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 South America, Norway, and Minneapolis-St. Paul.

**Admission Requirements**

For information about University of Minnesota admission requirements, visit the [Office of Admissions website](http://www.honors.umn.edu/admissions).

**Program Requirements**

**Major Courses**

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<tr>
<th>Course Code</th>
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</tr>
</thead>
<tbody>
<tr>
<td>URBS 1001W</td>
<td>Introduction to Urban Studies: The Complexity of Metropolitan Life</td>
<td>1 cr</td>
</tr>
<tr>
<td>CE 3201</td>
<td>Transportation Engineering</td>
<td>3 cr</td>
</tr>
<tr>
<td>CE 5211</td>
<td>Traffic Engineering</td>
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</tr>
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<td>ARCH 5711</td>
<td>Theory and Principles of Urban Design</td>
<td>3 cr</td>
</tr>
<tr>
<td>LA 3501</td>
<td>Environmental Design and its Biological and Physical Context</td>
<td>3 cr</td>
</tr>
<tr>
<td>PA 5013</td>
<td>Law and Urban Land Use</td>
<td>1.5 cr</td>
</tr>
<tr>
<td>PA 5212</td>
<td>Managing Urban Growth and Change</td>
<td>3 cr</td>
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<td>PA 5231</td>
<td>Transit Planning and Management</td>
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<td>Fundamentals of Transit</td>
<td>3 cr</td>
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**Skills and Methods Courses**

Take 4 or more course(s) totaling 12 or more credit(s) from the following:

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<tr>
<td>EPSY 3264</td>
<td>Basic and Applied Statistics</td>
<td>3 cr</td>
</tr>
<tr>
<td>EPSY 5261</td>
<td>Introductory Statistical Methods</td>
<td>3 cr</td>
</tr>
<tr>
<td>GEOG 3511</td>
<td>Principles of Cartography</td>
<td>4 cr</td>
</tr>
<tr>
<td>GEOG 3531</td>
<td>Numerical Spatial Analysis</td>
<td>4 cr</td>
</tr>
<tr>
<td>PA 5031</td>
<td>Empirical Analysis</td>
<td>1–4 cr</td>
</tr>
<tr>
<td>PSY 3001W</td>
<td>Introduction to Research Methods</td>
<td>3 cr</td>
</tr>
<tr>
<td>SOC 3801</td>
<td>Sociological Research Methods</td>
<td>4 cr</td>
</tr>
</tbody>
</table>
Take 0–2 course(s) from the following:

**Urban Form and Society Courses**

- GEOG 3561—Principles of Geographic Information Science (4 cr)
- GEOG 5511—Principles of Cartography (3 cr)
- GEOG 5562—Geographic Information Science and Analytical Cartography (3 cr)
- GEOG 5563—Advanced Geographic Information Science (3 cr)
- STAT 5022—Data Analysis (4 cr)
- STAT 5024—Theory of Statistics I (4 cr)
- STAT 5026—Theory of Statistics II (4 cr)
- STAT 5027—Statistical Analysis (4 cr)
- STAT 5028—Sampling Methodology in Finite Populations (3 cr)
- STAT 5041—Applied Multivariate Methods (3 cr)
- STAT 5042—Analysis of Categorical Data (3 cr)

Take 0–2 course(s) from the following:

AFRO 5511—Approval Pending

Students are required to complete one of the following course groups.

**Urban Studies Internship and Senior Paper**

Students planning to complete their degree requirements at the end of fall semester should take URBS 3993 in place of URBS 3955W to complete the senior paper requirement.

URBS 3900—Urban Studies Internship Seminar (2 cr)
URBS 3955W—Senior Paper Seminar, WI (2 cr)

**Urban Studies Concentrations**

**Urban Political Economy**

This is Track C.

Take 3 or more course(s) from the following:

- APEC 3611—Environmental and Natural Resource Economics, ENV (3 cr)
- APEC 5321—Regional Economic Analysis (3 cr)
- APEC 5341—Public Finance (3 cr)
- APEC 5611—Economic Aspects of Environmental Management (3 cr)
- ECON 5001—Labor Economics (3 cr)
- ECON 461H—Honors Course: Urban Economics, H (4 cr)
- ECON 4623—Housing Markets and Public Policy (3 cr)
Urban Studies Minor

• Required credits in this minor: 14.

The program focuses on the conceptual and analytical frameworks and specialized skills needed for professions focused on urban change or development.

Minor Requirements

Minor Courses

Two sessions of URBS 3201 or 3202. Electives from the following tracks: urban form and society, cultural analysis, political economy, and infrastructure and environment.

URBS 1001W—Introduction to Urban Studies: The Complexity of Metropolitan Life, C/PE, WI (3 cr)

URBS 3500—Urban Studies Workshop (3 cr)

Two courses (6 credits) from one of the four URBS tracks.

URBS 3201—Urban Studies Colloquium (1 cr)
or URBS 3202—Urban Studies Colloquium (1 cr)

Program Sub-plans

A sub-plan is not required for this program.

Honors (UHP) Sub-plan

Students admitted to the University Honors Program (UHP) must fulfill UHP requirements in addition to degree program requirements. Honors courses used to fulfill degree program requirements will also fulfill UHP requirements. Current departmental honors course offerings are listed at www.honors.umn.edu/academics/curriculum/dept_courses_current.html.

Honors students complete an honors thesis project in the final year, most often in conjunction with an honors thesis course, or with an honors directed studies or honors directed research course. Students select honors courses and plan for a thesis project in consultation with their UHP adviser and their departmental faculty adviser.