University of Minnesota Morris

2015-17 UNDERGRADUATE CATALOG

This file serves as an official record of University, college, and program requirements and policies during a specific time period. It includes a directory of undergraduate programs, majors, and course descriptions. It also includes a list of University policies.

NOTE: The information in this catalog is subject to change without notice. Colleges and departments make changes in their degree requirements and course descriptions frequently. For the most current information, check with department offices, advisers, and visit the Online Catalog at www.catalogs.umn.edu.

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Morris Campus
African American Studies Minor
M Academic Success, Office of Academic Affairs

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 24

African American experience and culture are central to American experience and culture. The African American studies minor allows students of all racial and ethnic identities to concentrate on African American issues and to integrate their understanding of those issues into the broader context of American and African history and culture. The minor offers an interdisciplinary and interdivisional curriculum that enables students to explore a variety of intellectual approaches and to make methodological and thematic connections and comparisons among those several approaches.

Objectives--The objectives of the African American studies minor are to

* familiarize students with the variety, depth, and significance of African Americans' contributions to American culture;
* enable students to see and appreciate the many African American points of view of history, society, politics, literature, art, and music;
* help students connect the African American experience to the broader context of Africa and the African diaspora;
* develop students' understanding of the nature of race and the dynamics of race and racism, particularly in the United States; and
* give students a grasp of some of the methodological and intellectual approaches to a broad and multifaceted area of study.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Courses for the minor may not be taken S-N unless offered S-N only. No grades below C- are allowed.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Minor Requirements
Students must take a minimum of 24 credits in at least three different disciplines. At least 16 of the 24 credits must be devoted to primarily African American content.

Courses with PRIMARILY African American content
Take 16 or more credit(s) from the following:
- ARTH 3241 - African American Art [FA] (4.0 cr)
- ENGL 2041 - Introduction to African American Literature [HDIV] (4.0 cr)
- ENGL 3331 - African American Literature [HDIV] (4.0 cr)
- ENGL 3332 - African American Women Writers [HDIV] (4.0 cr)
- ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
- ENGL 4033 - Research Seminar: Ralph Ellison, Richard Wright, and J. Saunders Redding [HDIV] (4.0 cr)
- HIST 3356 - Civil Rights Movement, 1954-1974 [HIST] (4.0 cr)
- SOC 3251 - African Americans [HDIV] (4.0 cr)
- SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)

Courses with PARTIAL African American content
Take at most 8 credit(s) from the following:
- ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
- ENGL 4017 - Research Seminar: Tricksters-Conjurers in American Indian and African American Literature [HDIV] (4.0 cr)
- FREN 1311 - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
- FREN 3602 - Francophone Studies: Francophone Worlds [IP] (4.0 cr)
• FREN 3603 - Francophone Studies: Contes francophones [IP] (4.0 cr)
• FREN 3605 - Francophone Studies: Le Cinema du Maghreb [IP] (4.0 cr)
• FREN 3606 - Francophone Studies: Sub-Saharan Francophone Cinema [IP] (4.0 cr)
• GWSS 3001 - Troubling Genders in African Cinema [HUM] (4.0 cr)
• HIST 2352 - The U.S. 1960s [HIST] (4.0 cr)
• HIST 3304 - Race, Class, and Gender in American History [HDIV] (4.0 cr)
• HIST 3358 - Civil War and Reconstruction [HIST] (4.0 cr)
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law [SS] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
Morris Campus
American Indian Studies B.A.

M Academic Success, Office of
Academic Affairs

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 40
- NA
- Degree: Bachelor of Arts

This is an interdisciplinary major under the authority of the vice chancellor for academic affairs and dean. The program is administered by the coordinator(s) of American Indian Studies.

The American Indian Studies major is designed to enhance a student's awareness and his or her overall knowledge about sovereignty and the diversity of Indigenous cultures throughout all of Native North America. Majors are required to engage and learn American Indian history, policies, cultures, literature, language, arts, sciences, and other creative endeavors within a globalized context. American Indian Studies promotes critical thinking, writing, and communication skills that are also rooted in Indigenous knowledge systems and community involvement. The curriculum emphasizes the role of the student as an active learner and participant within a growing and vibrant intertribal campus community.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students develop a coherent program of study in consultation with their major adviser.

American Indian Studies students are especially encouraged to take an American indigenous language, such as Anishinaabe and Dakota.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements. Courses may not be taken S-N, unless S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of “F” are included in GPA calculation until they are replaced.

Required Courses
With approval of the American Indian Studies coordinator(s), a capstone course in a different major may be substituted for AMIN 4901 if it contains primary American Indian content (e.g., ENGL 4017 - Research Seminar: Tricksters-Conjurers in American Indian and African American Literature).

- AMIN 1101 - Introduction to American Indian Studies [HDIV] (4.0 cr)
- AMIN 4901 - Senior Project in American Indian Studies (4.0 cr)
- ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)
- ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
- ENGL 3312 - World Indigenous Literature and Film [HDIV] (4.0 cr)
- HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
Elective Courses
Students must complete at least 20 credits from the electives listed below, subject to the following restrictions:
1. Courses are exclusive of any used to complete the required courses.
2. At least 12 credits must be from Primary American Indian Studies.
3. No more than 4 credits of directed studies (X993) may be applied to the major.
4. No more than 3 credits of ARTS 1050 may be applied to the major.
5. No more than 8 credits of American Indigenous languages may be applied to the major.
Take 20 or more credit(s) from the following:
Primary American Indian Studies Electives
Take 12 or more credit(s) from the following:
- AMIN 1801 - American Indian Song and Dance [IC] (2.0 cr)
- AMIN 2801 - Anishinaabe Song and Dance: An Exploration of Song and Dance, Traditions and Practices [HDIV] (4.0 cr)
- AMIN 2993 - Directed Study (1.0 - 5.0 cr)
- AMIN 3993 - Directed Study (1.0 - 5.0 cr)
- ANTH 3455 - North American Archaeology (4.0 cr)
- ENGL 3312 - World Indigenous Literature and Film [HDIV] (4.0 cr)
- ENGL 4017 - Research Seminar: Tricksters-Conjurers in American Indian and African American Literature [HDIV] (4.0 cr)
- HIST 3304 - Race, Class, and Gender in American History [HDIV] (4.0 cr)
- HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
- HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)
Primary American Indian Studies Electives, Indigenous Languages
Take at most 8 credit(s) from the following:
- AMIN 1001 - Beginning Dakota Language I (4.0 cr)
- AMIN 1002 - Beginning Dakota Language II [FL] (4.0 cr)
- AMIN 1011 - Beginning Anishinaabe Language I (4.0 cr)
- AMIN 1012 - Beginning Anishinaabe Language II [FL] (4.0 cr)
- AMIN 2011 - Intermediate Anishinaabe Language I [HUM] (4.0 cr)
- AMIN 2012 - Intermediate Anishinaabe Language II [HUM] (4.0 cr)
Related American Indian Studies
Take at most 8 credit(s) from the following:
- ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
- CMR 3411 - Intercultural Communication Theory and Research [HDIV] (4.0 cr)
- ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
- HIST 2451 - The American West [HIST] (4.0 cr)
- PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
- SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
- SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
Other Elective Courses
Directed studies and interdisciplinary internships, with appropriate subject matter, may be used to meet the elective requirements.
American Indian Studies Minor

Program Type: Undergraduate minor related to major
Requirements for this program are current for Fall 2015
Required credits in this minor: 20

The American Indian Studies minor is designed to enhance a student's awareness and his or her overall knowledge about sovereignty and the diversity of indigenous cultures throughout all of Native North America. Minors are required to engage and learn American Indian history, policies, cultures, literature, language, arts, sciences, and other creative endeavors within a globalized context. American Indian Studies promotes critical thinking, writing, and communication skills that are also rooted in indigenous knowledge systems and community involvement. The curriculum emphasizes the role of the student as an active learner and participant within a growing and vibrant intertribal campus community.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
American Indian Studies students are especially encouraged to take an American indigenous language, such as Anishinaabe and Dakota.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the minor requirements. Courses may not be taken S-N unless S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
AMIN 1101 - Introduction to American Indian Studies [HDIV] (4.0 cr)

Electives
Students must complete at least 16 credits from the electives below, subject to the following restrictions:
1. Students must have at least one course from two of the disciplines below.
2. No more than 4 credits of directed studies (X993) may be applied to the minor.
3. No more than 8 credits of an American Indigenous language may apply to the minor.
Take 16 or more credit(s) from the following:
• AMIN 2801 - Anishinaabe Song and Dance: An Exploration of Song and Dance, Traditions and Practices [HDIV] (4.0 cr)
• AMIN 2993 - Directed Study (1.0 - 5.0 cr)
• AMIN 3993 - Directed Study (1.0 - 5.0 cr)
• ANTH 3455 - North American Archaeology (4.0 cr)
• ANTH 3993 - Directed Study (1.0 - 5.0 cr)
• ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)
• ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
• ENGL 4017 - Research Seminar: Tricksters-Conjurers in American Indian and African American Literature [HDIV] (4.0 cr)
• HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
• HIST 2451 - The American West [HIST] (4.0 cr)
• HIST 3304 - Race, Class, and Gender in American History [HDIV] (4.0 cr)
• HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
• HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)
• ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
  or ENGL 3312 - World Indigenous Literature and Film [HDIV] (4.0 cr)
• Take at most 8 credit(s) from the following:
  • AMIN 1001 - Beginning Dakota Language I (4.0 cr)
  • AMIN 1002 - Beginning Dakota Language II [FL] (4.0 cr)
  • AMIN 1011 - Beginning Anishinaabe Language I (4.0 cr)
  • AMIN 1012 - Beginning Anishinaabe Language II [FL] (4.0 cr)
• AMIN 2011 - Intermediate Anishinaabe Language I [HUM] (4.0 cr)
• AMIN 2012 - Intermediate Anishinaabe Language II [HUM] (4.0 cr)

Other Elective Courses
Directed studies and interdisciplinary internships, with appropriate subject matter, may be used to meet the elective requirements.
Morris Campus
Area of Concentration B.A.
M Academic Success, Office of
Academic Affairs

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 120
• Required credits within the major: 35 to 50
• Degree: Bachelor of Arts

Requirements for the bachelor of arts (B.A.) degree from UMM consist of two parts: general education and the major. Students complete a major by fulfilling the requirements as specified in the UMM Catalog. Instead of a major, some students may choose to complete an area of concentration, which is an individualized, often interdisciplinary, group of courses that meets the requirement of study in depth of a specific field of knowledge.

Prototypes for areas of concentration already given provisional approval by the dean—including actuarial science, American Indian studies, American studies, animal behavior, art therapy, biochemistry with forensics science, biology with forensics science, biostatistics, chemistry with forensics science, criminal justice, digital media studies, environmental studies, international studies, journalism, peace studies, and sports management—can be found online at www.morris.umn.edu/academic/areas
Students must fill out appropriate forms and request approval.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students who wish to complete an area of concentration must have the program approved by appropriate faculty advisers, division chairpersons, and the vice chancellor for academic affairs and dean. Detailed procedures and forms are available from the Office of the Vice Chancellor for Academic Affairs and Dean.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of higher grades.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Designing a major
Samples of areas of concentration are available on the Advising Web site and the Academic Affairs Web site.
Morris Campus
Area of Concentration Minor
M Academic Success, Office of
Academic Affairs

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 20 to 30

Instead of a minor, some students may choose to complete an area of concentration, which is an individualized, often interdisciplinary, group of courses that meets the requirement of study in depth of a specific field of knowledge.

Students must fill out appropriate forms and request approval.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Students who wish to complete an area of concentration minor must have the program approved by appropriate faculty advisers, division chairpersons, and the vice chancellor for academic affairs and dean. Detailed procedures and forms are available from the Office of the Vice Chancellor for Academic Affairs and Dean.

A cumulative GPA of 2.0 in all courses included in the minor is required.
Morris Campus
Environmental Studies B.A.
M Academic Success, Office of
Academic Affairs

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 54 to 57
- Degree: Bachelor of Arts

This is an interdisciplinary major under the authority of the vice chancellor for academic affairs and dean. The program is administered by the environmental studies program coordinator.

The environmental studies major is designed to serve those interested in a broad knowledge of the natural environment and the role of humans in it. Students acquire a foundation of knowledge in economics, policy, science, humanities, and statistics. Carefully chosen electives, a required practical internship or research experience, and a capstone seminar provide depth of experience and help students prepare for graduate and professional programs, as well as for careers in education, government service, and the private sector.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Requirements for the major include successful completion of two elements:

Element 1: The Environmental Studies Core
Element 2: The Environmental Studies Elective Block

Selection of electives must be intentional and done in close consultation with an environmental studies adviser. Students must submit an elective plan (preferably by the end of sophomore year), to be approved by the environmental studies program coordinator. Elective plans must be designed to ensure that there is sufficient depth of coverage in the chosen ENST electives. For many students, a second major (or minor) in a closely related discipline is desirable. Electives often can be selected in such a way that they also count toward the second major. Elective courses, other than those listed below, may be appropriate to add depth and provide more theoretical context for the environmentally focused coursework. Approval of alternative electives requires written consent of the course instructor and the program coordinator.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Element 1: The Environmental Studies Core
Students must successfully complete each of the following eight courses in order to satisfy this element of the major.

**ECON 1111** - Principles of Microeconomics [SS] (4.0 cr)
**ENGL 2106** - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World [ENVT] (4.0 cr)
or **PHIL 2114** - Environmental Ethics [ENVT] (4.0 cr)
**ENST 1101** - Environmental Problems and Policy [ENVT] (4.0 cr)
ENST 2101 - Environmental Biology [SCI-L] (4.0 cr)
or BIOL 2111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)
ENST 4901 - Senior Capstone Experience (4.0 cr)
ENST 3988 - Environmental Studies Pre-Internship Seminar (1.0 cr)
ENST 3989 - Environmental Studies Post-Internship Seminar (1.0 cr)
GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Element 2: Environmental Studies Elective Block

Students must successfully complete at least 24 credits from the electives listed below, subject to the following restrictions:

1. Courses used to satisfy this element are exclusive of any used to complete the Core element.
2. At least 16 credits must come from the Upper Division Electives Block.
3. At least 4 credits of the Upper Division Electives must come from Category A.
4. At least 4 credits of the Upper Division Electives must come from Category B.

Lower Division Electives
Take at most 8 credit(s) from the following:
- ANTH 2101 - Biological Anthropology [SCI-L] (5.0 cr)
- ANTH 2103 - Archaeology [SS] (4.0 cr)
- CHEM 1001 - Chemistry for the Curious Citizen: The Role of Chemistry in the Environment and Everyday Life [SCI-L] (4.0 cr)
- CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
- CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
- ENGL 2106 - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World [ENVT] (4.0 cr)
- ENGL 2173 - The Nature Essay: Writing and Reading Creative Non-fiction about the Natural World [ENVT] (4.0 cr)
- ENST 1201 - Mapping the Environment [ENVT] (4.0 cr)
or GEOL 2161 - GIS and Remote Sensing [SCI] (4.0 cr)

Upper Division Elective Courses
Take 16 or more credit(s) from the following:

Category A: Science and Mathematics Electives
Take 4 or more credit(s) from the following:
- BIOL 3131 - Ecology [SCI-L] (4.0 cr)
- BIOL 4071 - Flora of Minnesota (4.0 cr)
- BIOL 4131 - Vertebrate Natural History (4.0 cr)
- BIOL 4151 - Entomology (4.0 cr)
- BIOL 4172 - Plant Systematics (4.0 cr)
- BIOL 4191 - Freshwater Biology (4.0 cr)
- BIOL 4332 - Ecology of Agriculture and Forestry [ENVT] (4.0 cr)
- BIOL 4333 - Biogeochemistry and Global Change (4.0 cr)
- BIOL 4351 - Conservation Biology (4.0 cr)
- CHEM 3101 - Analytical Chemistry [SCI-L] (4.0 cr)
- CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
- ESCI 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
- GEOL 3501 - Hydrology [SCI] (4.0 cr)

Category B: Social Science Electives
Take 4 or more credit(s) from the following:
- ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
- ECON 3007 - Environmental and Natural Resource Economics I [ENVT] (2.0 cr)
- ECON 3008 - Environmental and Natural Resource Economics II [ENVT] (2.0 cr)
- ENST 3001 - Water Resources Policy [ENVT] (4.0 cr)
- ENST 3101 - Industrial Ecology (4.0 cr)
- GEOG 3501 - Geographic Information Systems [ENVT] (4.0 cr)
- HIST 3361 - An Environmental and Geographic History of the United States [ENVT] (4.0 cr)
• POL 3272 - Making Environmental Public Policy [ENVT] (4.0 cr)
• POL 3355 - Environmental Political Theory [ENVT] (4.0 cr)
• POL 3514 - Pyramids and Politics on the Nile [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)

**Category C: Humanities Electives**
Take 0 or more credit(s) from the following:
• ENGL 4012 - Research Seminar: Imagining the Earth (4.0 cr)
• ENST 3112 - Climate Change and Moral Responsibility [ENVT] (4.0 cr)
• ENST 3201 - Environmental Justice [E/CR] (4.0 cr)
Morris Campus
Honors Program
M Academic Success, Office of
Academic Affairs

- Program Type: Other
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 12
- This program is 8 terms (4 years) long.

The Honors Program represents an opportunity for UMM students to pursue an interdisciplinary and interdivisional curriculum and work toward graduation with honors. All UMM students are eligible to participate in the Honors Program.

Honors courses are limited to a class size of 15. The elective courses examine a particular topic from an interdisciplinary perspective. The courses are often team-taught by faculty from different UMM academic divisions and concern subjects of special interest to the faculty who design them.

Further information about the Honors Program may be obtained from the Academic Center for Enrichment (ACE) office at www.morris.umn.edu/ACE.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Admission Requirements
Students normally apply to the program in spring semester of their freshman year and begin coursework sophomore year. While everyone may apply, academic success in the fall semester, faculty recommendations, and a short essay may be used to limit the number of students to those with the proven motivation and ability to likely succeed in the program. Applications are available at the Academic Center for Enrichment, 5 Student Center.

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Honors Capstone Project: It is the responsibility of the student to secure a project adviser for the honors capstone project, identify two other faculty for the panel in consultation with the project adviser, and register for at least 2 credits of IS 4994H - Honors Capstone Project. Students should submit the completed project to the Honors Program director and panel members by April 1 and arrange for the defense.

To qualify for a degree with honors, a student must have completed 60 or more semester credits at the University.

A minimum GPA of 3.50 in all University of Minnesota, Morris courses is required. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
- IS 2001H is usually completed in fall of the sophomore year.
- IS 2001H - Honors: Traditions in Human Thought [HUM] (2.0 cr)
- IS 4994H - Honors Capstone Project (2.0 cr)

Elective Courses
Any fully-approved IS 3xxxH course may be used to fulfill the 8 credit elective requirement.

Two of the eight elective credits may also be completed by writing an interdisciplinary paper related to co-curricular engagement, such as an internship or study abroad experience. Students complete an Honors Co-Curricular Independent Study form and register for IS 3991H. These projects are subject to assessment by a committee of faculty members.
Take 8 or more credit(s) from the following:

- IS 3111H - Honors: The End of the World as We've Known It: The Apocalypse Then and Now [SS] (2.0 cr)
- IS 3203H - Honors: A Cross-Section of the Enlightenment [HIST] (2.0 cr)
- IS 3204H - Honors: Ecological Health and the Sustainability of Common-Property Resources [ENVT] (2.0 cr)
- IS 3206H - Honors: Introduction to Game Theory [M/SR] (2.0 cr)
- IS 3209H - Honors: Apocalypse Now? The Science and Policy of Preparing for a Catastrophe [ENVT] (2.0 cr)
- IS 3211H - Honors: Republic or Empire? The American 1890s [HIST] (2.0 cr)
- IS 3212H - Honors: Global Encounters and the Making of the Contemporary World, 1450 to the Present [HDIV] (2.0 - 4.0 cr)
- IS 3214H - Honors: Evolution and Culture of Human Aggression [HUM] (2.0 cr)
- IS 3215H - Honors: Sagas before the Fall: Culture, Climate, and Collapse in Medieval Iceland [ENVT] (2.0 cr)
- IS 3216H - Honors: Perspectives on Disability in Contemporary American Life [HDIV] (2.0 cr)
- IS 3217H - Honors: The Trial of Galileo [HIST] (2.0 cr)
- IS 3234H - Honors: Intersections of Art and Science [FA] (2.0 cr)
- IS 3235H - Honors: Politics and Film [HUM] (2.0 cr)
- IS 3236H - Honors: Representations of Writers and Artists [HUM] (2.0 cr)
- IS 3237H - Honors: The Power of Place: An Interdisciplinary Approach to Where We Live [ENVT] (2.0 cr)
- IS 3238H - Honors: In Search of Nietzsche [IP] (4.0 cr)
- IS 3239H - Honors: The Anatomy of Development and the "Common Good": Sardar Sarovar Dam in Gurjurat, India [SS] (2.0 cr)
- IS 3240H - Honors: Proud Decade or Dark Age? The American 1950s [HIST] (2.0 cr)
- IS 3241H - Honors: Worldviews [SCI] (4.0 cr)
- IS 3242H - Honors: Two Cosmological Poets: Dante and Lucretius [IP] (2.0 cr)
- IS 3243H - Honors: Dialogues and the Ancient World [HUM] (2.0 cr)
- IS 3244H - Honors: Fascism, the Resistance, and Their Legacy in Contemporary Italy [IP] (2.0 cr)
- IS 3245H - Honors: Archaeology Mythbusting [SS] (2.0 cr)
- IS 3247H - Honors: Heroes of Ancient Greece and Rome [HUM] (2.0 cr)
- IS 3991H - Honors Co-Curricular Independent Study (1.0 - 2.0 cr)
**Morris Campus**  
Latin American Area Studies B.A.  
M Academic Success, Office of  
Academic Affairs

- Program Type: Baccalaureate  
- Requirements for this program are current for Fall 2015  
- Required credits to graduate with this degree: 120  
- Required credits within the major: 31 to 34  
- Degree: Bachelor of Arts

Objectives—To provide a basic introduction to the cultures and societies of Latin America, to provide the means essential to gain an understanding of Latin America and its diverse peoples, and to place Latin America in a comparative perspective.

To meet these objectives, three of our core courses engage students in learning about the histories, contemporary events, and research resources on Latin America. In addition, all of our electives courses introduce students to a diversity of significant topics on Latin America, ranging from language proficiency, literature courses on Latin American cultures, issues of social justice, human rights, development, politics, economics, revolutions, and so forth. Our Senior Capstone course immerses students in gaining a deeper understanding of selected topics on Latin America with a comparative perspective in mind. Together, our courses engender greater comprehension of Latin America, language comprehension and communication skills, important analytical skills, greater inter-cultural sensitivity and empathy, and ability to conduct research and compose well-written research papers.

Student Learning Objectives:  
1. Knowledge of Human Cultures and the Physical and Natural World through in-depth study in a particular field (Latin American countries, histories, and cultures) and engagement in big questions related to Latin America (e.g., economic and political transformations)  
2. Intellectual and Practical Skills through development of research and analytic skills (course essays, LAAS 3201 Bibliographic Tools and Journals in LAAS; senior capstone course)  
3. An Understanding of the Roles of Individuals in Society through gaining intercultural knowledge and competence (all courses)  
4. Capacity for Integrative Learning through requirement of 20 electives credits in three different disciplines

Student Learning Outcomes:  
1. Ability to think critically and communicate effectively, through informed understandings of Latin America, on issues of historical, social, economic, and political processes affecting the region.  
2. Ability to locate relevant research resources and apply them in conducting research on Latin America.  
3. Ability to competently compare and contrast the different countries and regions of Latin America from the perspectives of its diverse human populations and societies.  
4. Skills in understanding Latin America utilizing an inter-disciplinary perspective.

**Program Delivery**  
This program is available:  
- via classroom (the majority of instruction is face-to-face)

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

**General Requirements**  
All students are required to complete general University and college requirements. For more information, see the general education requirements.

**Program Requirements**
Students are required to take 4 semester(s) of Spanish.

Students must enroll through the LAAS coordinator.

Students are encouraged to use elective credits to acquaint themselves with as many academic fields of Latin American studies as possible.

Students may have up to a two-course overlap with any other major. Additional overlap must be approved by the LAAS coordinator.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

**Required Courses**

After enrolling in the major and when in residence, 1 credit per semester in LAAS 3100; up to 4 credits can be applied to the 20-credit elective requirement for the major. With approval of the LAAS coordinator and another faculty member, a capstone experience in a different discipline that contains primarily Latin American content may be wholly or partially substituted for LAAS 4901, but requires completion of four total credits.

- **HIST 1601 - Latin American History: A Basic Introduction [IP]** (4.0 cr)
- **LAAS 3100 - Contemporary Latin America** (1.0 cr)
- **LAAS 3201 - Bibliographical Tools and Journals in Latin American Area Studies** (2.0 cr)
- **LAAS 4901 - Senior Capstone in Latin American Area Studies** (2.0 - 4.0 cr)

**Elective Courses**

These courses must come from at least three different academic disciplines, not including LAAS. At least 4 credits of electives must be 3xxx or 4xxx level courses. Courses and directed studies not listed below may be approved by the LAAS coordinator, provided the subject matter is appropriate for the major.

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

**1xxx and 2xxx level electives**

Take at most 16 credit(s) from the following:

- **HIST 2608 - History of Cuba: From Colony to Revolutionary State [HIST]** (4.0 cr)
- **HIST 2609 - History of Brazil: From Sugar to Sugar Cars [HIST]** (4.0 cr)
- **LAAS 1993 - Directed Study (1.0 - 5.0 cr)**
- **LAAS 2993 - Directed Study (1.0 - 5.0 cr)**
- **SPAN 2121 - Associated Languages: Intensive Portuguese [IP]** (4.0 cr)

**3xxx and 4xxx level electives**

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

- **ANTH 3502 - Latinos in the Midwest [SS]** (4.0 cr)
- **ANTH 3601 - Social Justice and Human Rights in Latin America [IP]** (4.0 cr)
- **ANTH 3602 - Women in Latin America [IP]** (4.0 cr)
- **ANTH 3603 - Latin American Archaeology** (4.0 cr)
- **HIST 3601 - Great Books in Latin American History [IP]** (4.0 cr)
- **HIST 3612 - Social Revolution in 20th-Century Latin America [HIST]** (4.0 cr)
- **HIST 3613 - U.S.-Latin American Relations in Historical Perspective [IP]** (4.0 cr)
- **HIST 3614 - Race and Ethnicity in Latin America [HDIV]** (4.0 cr)
- **LAAS 3993 - Directed Study (1.0 - 5.0 cr)**
- **LAAS 4993 - Directed Study (1.0 - 5.0 cr)**
- **POL 3475 - International Human Rights** (4.0 cr)
- **POL 3504 - Latin American Politics** (4.0 cr)
- **PSY 3404 - Culture and Human Development [HDIV]** (4.0 cr)
- **SOC 3601 - Social Justice and Human Rights in Latin America [IP]** (4.0 cr)
- **SOC 3602 - Women in Latin America [IP]** (4.0 cr)
- **SPAN 3011 - Conversation, Composition, and Culture [IP]** (2.0 cr)
- **SPAN 3012 - Spanish Grammar in Practice [IP]** (2.0 cr)
- **SPAN 3111 - Readings in Spanish I [HUM]** (2.0 cr)
- **SPAN 3112 - Readings in Spanish II [HUM]** (2.0 cr)
- **SPAN 3211 - Literature and Culture of Latin America [HUM]** (4.0 cr)
- **SPAN 3212 - Literature and Culture of Spain [HUM]** (4.0 cr)
- **SPAN 3651 - Seminar: Miguel de Cervantes Saavedra's "El ingenioso hidalgo Don Quijote de la Mancha" [HUM]** (4.0 cr)

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Information current as of December 18, 2014
• SPAN 3685 - Seminar: Slavery and Abolition in Cuban Literature and Culture [IP] (4.0 cr)
• SPAN 3686 - Seminar: Writing History in Spanish American Literature [HUM] (4.0 cr)
• SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)
• SPAN 4001 - Research Symposium [HUM] (4.0 cr)
Morris Campus
Latin American Area Studies Minor
M Academic Success, Office of
Academic Affairs

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 23 to 26

The objectives of an LAAS minor will be to expose more students to important historical and current concerns regarding Latin America. They will meet the same student learning objectives as majors: to acquire 1) A basic introduction to Latin American cultures and societies; 2) the means essential to gain an understanding of Latin America and its diverse peoples; and 3) an understanding of Latin America in a comparative perspective.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Students are required to take 4 semester(s) of Spanish.

Students must enroll through the LAAS coordinator.

Students are required to complete Span 1001, 1002, 2001, and 2002 prior to or during enrollment in the minor (the requirement may be waived by testing out of Span 2002).

Students are encouraged to use elective credits to acquaint themselves with as many academic fields of Latin American studies as possible.

Students may have up to a two-course overlap with any other minor. Additional overlap must be approved by the LAAS coordinator.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
After enrolling in the minor and when in residence, 1 credit per semester in LAAS 3100; up to 4 credits can be applied to the 16-credit elective requirement for the minor.

HIST 1601 - Latin American History: A Basic Introduction [IP] (4.0 cr)
LAAS 3100 - Contemporary Latin America (1.0 cr)
LAAS 3201 - Bibliographical Tools and Journals in Latin American Area Studies (2.0 cr)

Elective Courses
These courses must come from at least three different academic disciplines, not including LAAS. At least 4 credits of electives must be 3xxx or 4xxx level courses. Courses and directed studies not listed below may be approved by the LAAS coordinator, provided the subject matter is appropriate for the minor.

Take 16 or more credit(s) from the following:

1xxx and 2xxx level electives
Take at most 12 credit(s) from the following:
- HIST 2608 - History of Cuba: From Colony to Revolutionary State [HIST] (4.0 cr)
- HIST 2609 - History of Brazil: From Sugar to Sugar Cars [HIST] (4.0 cr)
- LAAS 1993 - Directed Study (1.0 - 5.0 cr)
- LAAS 2993 - Directed Study (1.0 - 5.0 cr)
- SPAN 2121 - Associated Languages: Intensive Portuguese [IP] (4.0 cr)

3xxx and 4xxx level electives
Take 4 or more credit(s) from the following:
- ANTH 3502 - Latinos in the Midwest [SS] (4.0 cr)
• ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• ANTH 3602 - Women in Latin America [IP] (4.0 cr)
• ANTH 3603 - Latin American Archaeology (4.0 cr)
• HIST 3612 - Social Revolution in 20th-Century Latin America [HIST] (4.0 cr)
• HIST 3613 - U.S.-Latin American Relations in Historical Perspective [IP] (4.0 cr)
• HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)
• LAAS 3993 - Directed Study (1.0 - 5.0 cr)
• LAAS 4993 - Directed Study (1.0 - 5.0 cr)
• POL 3475 - International Human Rights (4.0 cr)
• POL 3504 - Latin American Politics (4.0 cr)
• PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SPAN 3011 - Conversation, Composition, and Culture [IP] (2.0 cr)
• SPAN 3012 - Spanish Grammar in Practice [IP] (2.0 cr)
• SPAN 3111 - Readings in Spanish I [HUM] (2.0 cr)
• SPAN 3112 - Readings in Spanish II [HUM] (2.0 cr)
• SPAN 3211 - Literature and Culture of Latin America [HUM] (4.0 cr)
• SPAN 3212 - Literature and Culture of Spain [HUM] (4.0 cr)
• SPAN 3651 - Seminar: Miguel de Cervantes Saavedra's "El ingenioso hidalgo Don Quijote de la Mancha" [HUM] (4.0 cr)
• SPAN 3654 - Seminar: Sex, Love, and Marriage in Golden Age Spanish Literature [HUM] (4.0 cr)
• SPAN 3681 - Seminar: Romanticism and Revolution in 19th-Century Spain [HUM] (4.0 cr)
• SPAN 3682 - Seminar: Realism and Reform in 19th-Century Spain [HUM] (4.0 cr)
• SPAN 3683 - Seminar: Modernity and Identity in Spain, 1900-1930 [HUM] (4.0 cr)
• SPAN 3684 - Seminar: Hispanic Film [HUM] (4.0 cr)
• SPAN 3685 - Seminar: Slavery and Abolition in Cuban Literature and Culture [IP] (4.0 cr)
• SPAN 3686 - Seminar: Writing History in Spanish American Literature [HUM] (4.0 cr)
• SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)
• SPAN 4001 - Research Symposium [HUM] (4.0 cr)
Morris Campus
Elementary Education B.A.
Division of Education

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 51
- This program requires summer terms.
- Degree: Bachelor of Arts

A separate admissions process must be completed and admission granted before students enroll in this program.

The elementary education major leads to Minnesota licensure as a teacher of grades K-6. Students obtaining a K-6 license may also pursue an optional endorsement in one of the following five areas: 1) preprimary, 2) middle level communication arts and literature, 3) middle level mathematics, 4) middle level science, and 5) middle level social studies.

Objectives-Course work in elementary education is designed to meet standards of effective practice required for licensure and provide prospective teachers with opportunities to understand central concepts, tools of inquiry, and structures of disciplines taught in the elementary school; understand child and adolescent development theory, individual and group motivation and diversity among learners; create instructional opportunities adapted to learners of diverse cultural backgrounds and abilities; use instructional strategies and technologies that reflect personal knowledge of effective verbal, nonverbal, and media communication techniques; encourage development of critical thinking, problem solving, and performance skills; understand and use formal and informal methods of student assessment; and collaborate with parents/guardians, families, school colleagues, and the community in an ethical manner.

Students pursuing Minnesota teaching licensure at the elementary K-6 level and optional endorsement areas must have successfully completed licensure requirements in the elementary teacher education program and passed state and federally mandated examinations for new teachers. A minimum GPA of 2.50 overall with 2.75 minimum GPA in elementary education major and licensure area(s). All courses that fulfill requirements for teaching licensure in elementary education (discipline, professional education, or other courses) must be completed with a grade of C- or better. Required courses must be taken A-F, unless they are offered S-N only.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Admission Requirements
Students must complete 60 credits before admission to the program.

A GPA above 2.0 is preferred for the following:
- 2.75 already admitted to the degree-granting college
- 2.75 transferring from another University of Minnesota college
- 2.75 transferring from outside the University

For admission to the major's two-year course sequence which begins each fall, students must follow the application procedure. Information sessions are held periodically to provide an overview of admissions and program requirements.

Students transferring from other schools must be admitted to UMM before admission to the elementary education program can be offered. Transfer students should seek academic planning advice from the education faculty in advance of application to the program.

Requirements:
1. Completion of the Minnesota Teacher Licensure Examinations: Basic Skills.
2. Minimum GPA of 2.50 overall with 2.75 minimum GPA in EdEd major and licensure area(s). No grade below C- will be accepted in these courses.
3. Approximately 60 credits completed by the end of the sophomore year.
4. Approval of the faculty based on an interview, recommendations, assessment of prior experience (especially with children and other cultures), and progress toward degree.
5. Admission to UMM.

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

Courses Required for Admission

ED 2111 - Tutor-Aide Practicum (1.0 cr)
ED 2121 - Introduction to Education [SS] (3.0 cr)
ED 2131 - Foundations of Reading [HUM] (2.0 cr)

Take the following course or course pair. PSY 1051 is a prerequisite.

- PSY 1061 - Introduction to the Development of the Child and Adolescent [SS] (4.0 cr)
- or PSY 3401 - Developmental Psychology I: Child Psychology [SS] (4.0 cr)
- or PSY 3402 - Developmental Psychology II: Adolescence and Emerging Adulthood [SS] (4.0 cr)

General Requirements

All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements

Students are required to take 2 semester(s) of any second language.

All courses required for a major in elementary education must be completed with a grade of C- or better. Required courses must be taken A-F, unless they are offered S-N only. A minimum GPA of 2.75 is required in the major to graduate. The GPA includes all course work. Grades of "F" are included in GPA calculation until they are replaced.

Successful completion of course assignments, elementary education course grades of C- or better, satisfactory completion of field experiences, and minimum GPA of 2.50 overall with 2.75 minimum GPA in the elementary education major and licensure area(s) are required at the end of each semester for continued eligibility in the program.

Students seeking a non-education major or minor should see requirements for the area of interest.

Major Requirements - Program Year One

ELED 3101 - Teaching and Learning Strategies (3.0 cr)
ELED 3102 - Reading Methods: Literacy and Language Instruction in the Elementary School (4.0 cr)
ELED 3103 - Mathematics in the Elementary School (4.0 cr)
ELED 3111 - Practicum I: Field Experience in the Elementary Classroom (1.0 cr)
ELED 3201 - Preprimary Theory: Three-, Four-, and Five-Year-Olds in School (1.0 cr)
ELED 3202 - Middle Level Theory (1.0 cr)

Practicum II: Field Experience in a Preprimary or Middle Level Setting

- ELED 3211 - Practicum II: Field Experience in a Preprimary Setting (1.0 cr)
- or ELED 3212 - Practicum II: Field Experience in a Middle Level Setting (1.0 cr)

Major Requirements - Program Year Two

ED 4121 - Strategies for Inclusive Schooling (2.0 cr)
ED 4901 - The Teacher and Professional Development (1.0 cr)
ELED 4102 - Social Studies in the Elementary School (2.0 cr)
ELED 4103 - Science in the Elementary School (2.0 cr)
ELED 4104 - Language Arts and Literature in the Elementary School (3.0 cr)
ELED 4107 - Health and Physical Education in the Elementary School (1.0 cr)
ELED 4111 - Practicum III: Beginning Student Teaching (2.0 cr)
ELED 4112 - Practicum IV: Cross-Cultural Experience in the Elementary School (1.0 cr)

Student Teaching Requirements

1. Passing scores on MTLE Basic Skills or faculty approved remediation plan.
2. Approval of elementary education faculty.
3. Minimum GPA of 2.50 overall with 2.75 minimum GPA in ElEd major and licensure area(s).

Directed Student Teaching:

- ELED 4201 - Directed Student Teaching in Primary and Intermediate Grades [HDIV] (12.0 cr)
- or ELED 4204 - Directed Student Teaching in International School at the Primary and Intermediate Level [IP] (12.0 cr)

Program Sub-plans

A sub-plan is not required for this program.
Elementary Education Minnesota Licensure Requirements

Students planning to teach in Minnesota elementary schools must meet the licensure requirements of the Minnesota Board of Teaching (BOT). The following program is designed to meet these requirements which are subject to change when the BOT implements new licensure rules. Note: Students must complete licensure requirements and apply for licensure within seven years from time of admission to the program. After seven years, all education courses previously taken are void and must be retaken.

1. ElEd Major Requirement
   All requirements for an elementary education major must be complete in order to be licensed.

2. Communication Arts and Literature
   Students must also complete the general education requirements for writing and foreign language. Engl 3021 is recommended. In the listing below, 2xxx is equivalent to 2xxx or above.
   - ENGL 2xxx
   - or ENGL 3021 - Grammar and Language [HUM] (4.0 cr)
   - CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
   - or CMR 1042 - Public Speaking and Analysis [E/CR] (4.0 cr)

3. Mathematics and Statistics
   - MATH 1001 - Survey of Math [M/SR] (4.0 cr)
   - STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
   - or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
   - or STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

4. Visual and Performing Arts
   Students must complete two courses from two different disciplines. In the listings below, 1xxx is equivalent to 1xxx or above.
   - Take 2 or more course(s) including 2 or more sub-requirements(s) from the following:
     - ARTH 1101 - Principles of Art [FA] (4.0 cr)
     - or ARTH 1xxx
     - or ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
     - or ARTS 1xxx
     - or DNCE 1xxx
     - or MUS 1041 - Introduction to Music [FA] (4.0 cr)
     - or MUS 1042 - Fundamentals of Music [FA] (4.0 cr)
     - or MUS 1xxx
     - or TH 1101 - The Theatre Experience: An Introduction [FA] (4.0 cr)
     - or TH 1xxx
     - or TH 2111 - Creative Drama with Children [ART/P] (4.0 cr)

5. Social Studies
   Students must complete two courses from two different disciplines. In the listings below, 1xxx is equivalent to 1xxx or above.
   - Take 2 or more course(s) including 2 or more sub-requirements(s) from the following:
     - **Sub-requirement 1: Anthropology**
       - ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
       - or ANTH 1xxx
     - **Sub-requirement 2: Economics**
       - ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
       - or ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
       - or ECON 1xxx
     - **Sub-requirement 3: Geography**
       - GEOG 1xxx
       - or GEOG 2001 - Problems in Geography [ENVT] (4.0 cr)
     - **Sub-requirement 4: History**
       - HIST 1xxx
       - or HIST 1xxx
     - **Sub-requirement 5: Political Science**
       - POL 1xxx
       - or POL 1xxx
     - **Sub-requirement 6: Sociology**
       - SOC 1xxx
       - or SOC 1xxx
       - or SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)

6. Science
   Students must complete two courses from two different disciplines, at least one with a lab (SCI-L). In the listing below, 1xxx is equivalent to 1xxx or above.
   - Take 2 or more course(s) including 2 or more sub-requirements(s) from the following:
     - **Sub-requirement 1: Biology**
• BIOL 1xxx
  or ED 2301 [Inactive] [ENVT] (4.0 cr)
  or ENST 2101 - Environmental Biology [SCI-L] (4.0 cr)
• Sub-requirement 2: Chemistry
  • CHEM 1xxx
• Sub-requirement 3: Geology
  • GEOL 1001 - Environmental Geology: Geology in Daily Life [SCI] (4.0 cr)
    or GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
    or GEOL 1xxx
• Sub-requirement 4: Physics
  • PHYS 1052 - The Solar System [SCI-L] (5.0 cr)
    or PHYS 1xxx

7. Psychology
  PSY 2581 - Drugs and Human Behavior [SS] (2.0 cr)

8. Cross-Cultural Field Experience
  Students must successfully complete a cross-cultural field experience.

9. Additional Licensure Requirements

GPA requirements:
  a) Minimum GPA of 2.50 overall with 2.75 minimum GPA in EIEd major and licensure area(s).
  b) No grade below C- will be accepted.

MLTE Basic Skills:
  Passing scores on MTLE Basic Skills or faculty approved remediation plan.

Discipline Approval:
  Approval of elementary education faculty.

Preprimary Education Endorsement
Students planning to complete this sub-plan must also complete the requirements for elementary K-6 licensure.

1. Preprimary Education (age 3 to grade 3)
   Students planning to complete this sub-plan should take EIEd 3201, EIEd 3211 in addition to the following courses:
   ELED 3203 - Preprimary Methods: Curriculum and Instruction for Three-, Four-, and Five-Year-Olds (3.0 cr)
   ELED 4206 - Directed Student Teaching in Preprimary Classroom [HDIV] (4.0 cr)
   PSY 3401 - Developmental Psychology I: Child Psychology [SS] (4.0 cr)
   SOC 1101 - Introductory Sociology [SS] (4.0 cr)

Additional Courses
  Take 3 or more course(s) from the following:
  • ED 4903 - Kindergarten Education (4.0 cr)
  • PSY 3112 - Cognition [SS] (4.0 cr)
  • PSY 3302 - Personality [SS] (4.0 cr)
  • PSY 3315 - Parenting and Family Therapy [SS] (4.0 cr)
  • PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)
  • PSY 3501 - Social Psychology [SS] (4.0 cr)
  • SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
  • TH 2111 - Creative Drama with Children [ART/P] (4.0 cr)

Middle Level Education Endorsement - Communication Arts & Literature
Students planning to complete this sub-plan must also complete the requirements for elementary K-6 licensure.

2. Middle Level Comm. Arts & Lit. (grades 5-8)
   In addition to the required courses listed below, a minor in English is strongly recommended.

   Students planning to complete this sub-plan should take EIEd 3202 and EIEd 3212 in addition to the following courses:
   ENGL 2501 - Literary Studies [HUM] (4.0 cr)
   ENGE 4121 - Methods of Teaching Communication Arts and Literature in the Middle and Secondary School (4.0 cr)
   ELED 4207 - Directed Student Teaching in Middle Level Classroom [HDIV] (4.0 cr)
   CMR 1042 - Public Speaking and Analysis [E/CR] (4.0 cr)
   or CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)

Additional Courses
   Eng 3021 is recommended. In the listing below, 2xxx is equivalent to 2xxx or above.
   Take 3 or more course(s) from the following:
   • ED 2201 - Perspectives on Young Adult Literature: Schooling, Society, and Culture [HUM] (4.0 cr)
   • ENGL 2xxx
   • ENGL 3021 - Grammar and Language [HUM] (4.0 cr)

Middle Level Education Endorsement- Mathematics
Students planning to complete this sub-plan must also complete the requirements for elementary K-6 licensure.

3. Middle Level Mathematics (grades 5-8)
In addition to the required courses listed below, a minor in mathematics is strongly recommended.

Students planning to complete this sub-plan should take EIEd 3202 and EIEd 3212 in addition to the following courses:
- **MTHE 4121** - Methods of Teaching Mathematics in the Middle and Secondary School (4.0 cr)
- **MATH 1101** - Calculus I [M/SR] (5.0 cr)
- **MATH 1102** - Calculus II [M/SR] (5.0 cr)
- **ELED 4207** - Directed Student Teaching in Middle Level Classroom [HDIV] (4.0 cr)
- **STAT 1601** - Introduction to Statistics [M/SR] (4.0 cr)
  or **STAT 2601** - Statistical Methods [M/SR] (4.0 cr)
  or **STAT 2611** - Mathematical Statistics [M/SR] (4.0 cr)

Additional Courses
- Math 2111 is recommended. In the listing below, 2xxx is equivalent to 2xxx or above.
- Take 2 or more course(s) from the following:
  - **MATH 2111** - Linear Algebra [M/SR] (4.0 cr)
  - **MATH 2xxx**

Middle Level Education Endorsement - Social Studies
Students planning to complete this sub-plan must also complete the requirements for elementary K-6 licensure.

4. Middle Level Social Studies (grades 5-8)
In addition to the required courses listed below, a minor in anthropology, economics, history, political science, or sociology is strongly recommended.

Students planning to complete this sub-plan should take EIEd 3202 and EIEd 3212 in addition to the following courses:
- **SSCE 4121** - Methods of Teaching Social Science in the Middle and Secondary School (4.0 cr)
- **ELED 4207** - Directed Student Teaching in Middle Level Classroom [HDIV] (4.0 cr)
- **ECON 1112** - Principles of Macroeconomics [SS] (4.0 cr)
- **HIST 1301** - Introduction to U.S. History [HIST] (4.0 cr)
- **PCL 1201** - American Government and Politics [E/CR] (4.0 cr)
  or **PCL 1xxx** or above
- **ANTH 1111** - Introductory Cultural Anthropology [SS] (4.0 cr)
  or **SOC 1101** - Introductory Sociology [SS] (4.0 cr)

Additional Courses
- Geog 2001 is recommended. In the listing below, 1xxx is equivalent to 1xxx or above.
- Take 1 or more course(s) from the following:
  - **ANTH 1xxx**
  - **ECON 1xxx**
  - **HIST 1xxx**
  - **PCL 1xxx**
  - **SOC 1xxx**
  - **GEOG 2001** - Problems in Geography [ENVT] (4.0 cr)

Middle Level Education Endorsement - Science
Students planning to complete this sub-plan must also complete the requirements for elementary K-6 licensure.

5. Middle Level Science (grades 5-8)
Students planning to complete this sub-plan should take EIEd 3202 and EIEd 3212 in addition to the following courses:
- **BIOL 1111** - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
- **BIOL 2101** - Evolution of Biodiversity [SCI-L] (4.0 cr)
- **CHEM 1101** - General Chemistry I [SCI-L] (4.0 cr)
- **ELED 4207** - Directed Student Teaching in Middle Level Classroom [HDIV] (4.0 cr)
- **GEOL 1101** - Physical Geology [SCI-L] (4.0 cr)
- **SCIE 4121** - Methods of Teaching Science in the Middle and Secondary School (4.0 cr)
- **PHYS 1052** - The Solar System [SCI-L] (5.0 cr)
- **PHYS 1091** - Principles of Physics I [SCI-L] (5.0 cr)
  or **PHYS 1092** - Principles of Physics II [SCI-L] (5.0 cr)
- **PHYS 1101** - General Physics I [SCI-L] (5.0 cr)
- **PHYS 1102** - General Physics II [SCI-L] (5.0 cr)
Morris Campus
Secondary Education
Division of Education

• Program Type: Other
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 41 to 43
• This program is 8 terms (4 years) long.
• This program requires summer terms.

This discipline is in the Division of Education. A separate admissions process must be completed and admission granted before students can enroll in this program.

The secondary education program leads to Minnesota licensure as a teacher in specified liberal arts disciplines.

Objectives—Coursework in secondary education is designed to meet standards of effective practice required for licensure and provide prospective teachers with opportunities to do the following:

* understand central concepts, tools of inquiry, and structures of disciplines taught in the middle and secondary school;
* understand adolescent development theory, individual and group motivation, and diversity among learners;
* create instructional opportunities adapted to learners from diverse cultural backgrounds, and with exceptionalities, use instructional strategies that reflect personal knowledge of effective verbal and nonverbal communication techniques;
* encourage development of critical thinking, problem solving, and performance skills;
* understand and use formal and informal methods of student assessment;
* plan and manage instruction;
* engage in reflection and self-assessment; and
* collaborate with parents/guardians, families, school colleagues, and the community in an ethical manner.

To obtain a teaching license, an individual must have completed a major, a bachelor's degree, and licensure requirements in the area(s) in which licensure is sought. UMM is approved to recommend teaching licensure in the following fields: chemistry (9-12), communication arts and literature (5-12), earth and space science (9-12), French (K-12), general science (5-8), instrumental music (K-12), life science (9-12), mathematics (5-12), physics (9-12), social studies (5-12), Spanish (K-12), visual arts (K-12), and vocal music (K-12).

Coursework required for licensure, in most cases, is not equivalent to a major. Consult an adviser in the discipline to determine major requirements.

Students planning to seek Minnesota teaching licensure at the secondary school level must complete licensure requirements in the discipline(s) of the subject(s) they intend to teach, the secondary teacher education program, and state and federally mandated examinations for new teachers. A minimum GPA of 2.75 is required in licensure area(s) and in education prerequisite courses. A minimum GPA of 2.50 is required overall. The GPA includes all course work. Grades of "F" are included in GPA calculation until they are replaced. All courses required for teaching licensure in secondary education (discipline, professional education, or other courses) must be completed with a grade of C- or better. Required courses must be taken A-F, unless they are offered S-N only.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Admission Requirements
Students must complete 90 credits before admission to the program.

A GPA above 2.0 is preferred for the following:
• 2.75 already admitted to the degree-granting college
• 2.75 transferring from another University of Minnesota college
• 2.75 transferring from outside the University

For admission to the one-year program which begins each fall, students must apply in the fall of the preceding year. Admissions decisions are made in early spring.

Transfer students must be admitted to UMM before admission to the secondary program can be offered. Transfer students should seek academic planning advice from the secondary education faculty before application to the program.
Requirements
1. Completion of the Minnesota Teacher Licensure Examinations: Basic Skills.
2. A minimum GPA of 2.75 is required in licensure area(s) and in education prerequisite courses and 2.50 overall. No grade below C- will be accepted in these courses.
3. Approximately 90 credits completed by the end of the junior year including demonstration of satisfactory progress in each licensure area.
4. Approval of the faculty based on an interview, recommendations, assessment of prior experience (especially with young people and other cultures), and progress toward a degree.
5. Admission to UMM.

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

Required prerequisites
Courses Required for Admission
ED 2121 - Introduction to Education [SS] (3.0 cr)
ED 2111 - Tutor-Aide Practicum (1.0 cr)

Child Development
Take the following course or course pair. PSY 1051 is a prerequisite.
PSY 1061 - Introduction to the Development of the Child and Adolescent [SS] (4.0 cr)
or PSY 3401 - Developmental Psychology I: Child Psychology [SS] (4.0 cr)
PSY 3402 - Developmental Psychology II: Adolescence and Emerging Adulthood [SS] (4.0 cr)

PSY 2581 and CMR 1052 or 1042
These are required for licensure and are recommended to be completed before beginning the program.

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Student Teaching Requirements
1. Successful completion of:
SEED 4102 - Teaching and Learning Strategies (2.0 cr)
SEED 4103 - Practicum Experience in the Middle and Secondary School (4.0 cr)
SEED 4104 - Teaching Diverse Learners [HDIV] (2.0 cr)
SEED 4105 - Reading and Literacy in the Content Areas (2.0 cr)
ED 4121 - Strategies for Inclusive Schooling (2.0 cr)

2. SEED 4115 - Advanced Content Reading
SEED 4115 - Advanced Content Reading [HUM] (2.0 cr)

3. Successful completion of licensure area methods course(s).
ARTE 4123 - Methods of Teaching Art K-12 (4.0 cr)
or ENGE 4121 - Methods of Teaching Communication Arts and Literature in the Middle and Secondary School (4.0 cr)
or LANE 4123 - Methods of Teaching Foreign Language K-12 (4.0 cr)
or MTHE 4121 - Methods of Teaching Mathematics in the Middle and Secondary School (4.0 cr)
or MUSE 4123 - Methods of Teaching Music K-12 (4.0 cr)
or SCIE 4121 - Methods of Teaching Science in the Middle and Secondary School (4.0 cr)
or SSCE 4121 - Methods of Teaching Social Science in the Middle and Secondary School (4.0 cr)

4. Satisfactory completion of tutor-aide and practicum experiences.

5. CMR 1052 - Introduction to Public Speaking or CMR 1042 - Public Speaking and Analysis.
CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
or CMR 1042 - Public Speaking and Analysis.

6. GPA and grade requirements
2.75 minimum GPA required in licensure area(s) and education prerequisite courses and 2.5 overall. No grade below C- will be accepted.

7. Passing scores on MTLE Basic Skills or faculty approved remediation plan
8. Approval of SeEd faculty based on recommendations from faculty in the student's discipline.

Middle and Secondary School Licensure Requirements
Students planning to teach in Minnesota middle and secondary schools must meet the licensure requirements of the Minnesota Board of Teaching (BOT).
The following program is designed to meet these requirements and they are subject to change when the BOT implements new rules.
Note: Students must complete licensure requirements and apply for licensure within seven years from time of admission to the
program. After seven years, all education courses previously taken are void and must be retaken.

1. Professional education courses:
   ED 2121-Introduction to Education and ED 2111-Tutor-Aide Practicum
   SEED 4102, 4103, 4104, 4105, 4115, and Ed 4121
   Student Teaching
     - SEED 4201 - Directed Student Teaching in the Middle and Secondary School [HDIV] (12.0 cr)
     - or SEED 4204 - Directed Student Teaching in International School at the Middle and Secondary Level [IP] (12.0 cr)
   ED 4901 - The Teacher and Professional Development (1.0 cr)

2. Successful completion of licensure area methods course(s).

3. PSY 1061-Intro. to the Development of the Child & Adolescent and PSY 1081-Drugs & Human Behavior.
   PSY 2581 - Drugs and Human Behavior [SS] (2.0 cr)

4. CMR 1052-Introduction to Public Speaking or CMR 1042-Public Speaking and Analysis.

5. GPA and grade requirements
   2.75 minimum GPA required in licensure area(s) and education prerequisite courses and 2.5 overall.
   No grade below C- will be accepted.

6. Approval of SeEd faculty based on recommendations from faculty in the student's discipline.

7. Passing scores on MN Teacher Licensure Exam in Basic Skills, the licensure area(s), and pedagogy.

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.)

Chemistry 9-12

Chemistry 9-12
BIOL 1111 is a prerequisite course for BIOL 2111.
   CHEM 1101 - General Chemistry I [SCI-L] (4.0 cr)
   CHEM 1102 - General Chemistry II [SCI-L] (4.0 cr)
   CHEM 2301 - Organic Chemistry I [SCI-L] (4.0 cr)
   CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
   CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)
   or CHEM 2301 - Physical Chemistry I [SCI] (4.0 cr)
   BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
   MATH 1101 - Calculus I [M/SR] (5.0 cr)
   PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
   CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
   or CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)

Communication Arts and Literature 5-12

Communication Arts & Literature 5-12
   CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
   CMR 1061 - Introduction to Theories of Communication, Media, and Rhetoric [HUM] (4.0 cr)
   CMR 1101 - Introduction to Theories of Communication, Media, and Rhetoric [HUM] (4.0 cr)
   CMR 4152 - Advanced Public Speaking [HUM] (4.0 cr)
   ENGL 2501 - Literary Studies [HUM] (4.0 cr)
   ENGL 3021 - Grammar and Language [HUM] (4.0 cr)
   ENGL 3005 - Understanding Writing: Theories and Practices [HUM] (4.0 cr)
   or ENGL 3032 - Creative Nonfiction Writing [ART/P] (4.0 cr)
   Study of Shakespeare (ENGL 3159-Shakespeare or ENGL 2059-Introduction to Shakespeare strongly recommended, ENGL 2059 preferred)
   ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
   or ED 2201 - Perspectives on Young Adult Literature: Schooling, Society, and Culture [HUM] (4.0 cr)
   TH 2211 - Oral Interpretation [ART/P] (4.0 cr)
   or TH 2111 - Creative Drama with Children [ART/P] (4.0 cr)
   or TH 2221 - Readers' Theatre [ART/P] (4.0 cr)

Earth and Space Science 9-12

Earth and Space Science 9-12
   GEOL 1001 - Environmental Geology: Geology in Daily Life [SCI] (4.0 cr)
   GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
   GEOL 2101 - Mineralogy and Crystallography [SCI-L] (4.0 cr)
GEOL 2111 - Igneous and Metamorphic Petrology [SCI-L] (4.0 cr)
GEOL 2121 - Sedimentology and Stratigraphy [SCI-L] (4.0 cr)
GEOL 2141 - Glacial and Quaternary Geology [SCI] (4.0 cr)
GEOL 2151 - Historical Geology: Earth History and Changing Scientific Perspectives [SCI-L] (4.0 cr)
GEOL 3101 - Structural Geology [SCI-L] (4.0 cr)
GEOL 4901 - Geology Senior Seminar (1.0 cr)
GEOL 4902 - Geology Senior Seminar Presentations (1.0 cr)
PHYS 1052 - The Solar System [SCI-L] (5.0 cr)
PHYS 1053 - Introduction to Stars, Galaxies, and Cosmology [SCI] (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)
or MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)

French K-12

French K-12

One cross-listed French course taught in English (such as Fren 1027, 1031, 1302, 1311, or 1312) may be counted towards the French licensure, provided that students complete written work for the class in French.

FREN 2001 - Intermediate French I [IP] (4.0 cr)
FREN 2002 - Intermediate French II [IP] (4.0 cr)
FREN 3001 - Conversation and Composition [IP] (4.0 cr)
FREN 3011 - Reading and Analysis of Texts [HUM] (4.0 cr)
FREN 3112 - Advanced Language Studies: Introduction to French Phonetics [HUM] (4.0 cr)
FREN 3113 - Advanced Language Studies: Theme et Version [HUM] (4.0 cr)
or FREN 3114 - Advanced Language Studies: Advanced French Grammar [HUM] (2.0 - 4.0 cr)

One course from Early Modern Studies Cluster:

FREN 3402 - Early Modern Studies: Pre-Enlightenment Culture in France [HIST] (4.0 cr)

One course from Modern Studies Cluster:

FREN 1031 - Modern Studies: The Modern Body in France [SS] (4.0 cr)
or FREN 1302 - French Cinema [IP] (4.0 cr)
or FREN 3502 - Modern Studies: Revolution, Romanticism, Modernity [HUM] (4.0 cr)
or FREN 3503 - Modern Studies: Avant-Garde, Existentialism, Experimentation [HUM] (4.0 cr)
or FREN 3501 - Modern Studies: The Old Regime and New Ideas: The French Enlightenment [HIST] (4.0 cr)

One course from Francophone Studies Cluster:

FREN 1311 - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
or FREN 1312 - Morocco: History, Story, Myth [IP] (4.0 cr)
or FREN 3602 - Francophone Studies: Francophone Worlds [IP] (4.0 cr)
or FREN 3603 - Francophone Studies: Contes francophones [IP] (4.0 cr)
or FREN 3604 - Francophone Studies: L'Amérique francophone [HUM] (4.0 cr)
or FREN 3606 - Francophone Studies: Sub-Saharan Francophone Cinema [IP] (4.0 cr)

Study abroad is strongly encouraged.

General Science 5-8

General Science 5-8

BIOL 1111 is a prerequisite course for BIOL 2101 and BIOL 2111.
BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)
CHEM 1101 - General Chemistry I [SCI-L] (4.0 cr)
GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
PHYS 1052 - The Solar System [SCI-L] (5.0 cr)

PHYS 1091 or 1101
Prerequisite for PHYS 1101 is MATH 1101-Calculus I.
PHYS 1091 - Principles of Physics I [SCI-L] (5.0 cr)
or PHYS 1101 - General Physics I [SCI-L] (5.0 cr)

PHYS 1092 or 1102
Prerequisite for PHYS 1102 is MATH 1102-Calculus II.
PHYS 1092 - Principles of Physics II [SCI-L] (5.0 cr)
or PHYS 1102 - General Physics II [SCI-L] (5.0 cr)

Instrumental Music K-12

Instrumental Music K-12

MUS 1101 - Core Studies I: Music Theory I [M/SR] (4.0 cr)
MUS 1102 - Core Studies I: Music Theory II [M/SR] (4.0 cr)
MUS 1300 - UMM Symphonic Winds [ART/P] (1.0 cr)
MUS 2101 - Core Studies II: Music Theory III [HUM] (4.0 cr)
MUS 2102 - Core Studies II: Music Theory IV [HUM] (4.0 cr)
MUS 3101 - Core Studies III: Medieval, Renaissance, and Baroque Music [HIST] (4.0 cr)
MUS 3102 - Core Studies III: Classical, Romantic, and 20th-Century Music [FA] (4.0 cr)
MUS 3161 - Introduction to World Music [IP] (4.0 cr)
MUS 2301 - Instrumental Techniques--Woodwind (1.0 cr)
MUS 2302 - Instrumental Techniques--Brass (1.0 cr)
MUS 2303 - Instrumental Techniques--Strings (1.0 cr)
MUS 2304 - Vocal Techniques (1.0 cr)
MUS 3311 - Conducting Techniques (2.0 cr)
MUS 3321 - Instrumental Conducting and Materials (2.0 cr)
MUS 3351 - Instrumental Arranging [ART/P] (2.0 cr)
MUS 4901 - Senior Project and Portfolio (1.0 cr)
MUS 3200-3223-Advanced Individual Performance Studies in wind, string, percussion, or keyboard (consult with music faculty to determine performance studies requirements)

**Concert Attendance**
Seven successful completions of MUS 1000-Concert Attendance

**Piano Proficiency**
Music theory courses (1101, 1102, 2101, 2102) are taken concurrently with piano lessons or functional keyboard for the Music Major, Mus 1111, 1112, 2111, 2112 until the piano proficiency test is passed.

**Instrument Repair Clinic**
Successful completion of the instrument repair clinic

**Life Science 9-12**

**Life Science 9-12**
BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)
BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
BIOL 3121 - Molecular Biology [SCI-L] (5.0 cr)
BIOL 3131 - Ecology [SCI-L] (4.0 cr)
BIOL 3701 - Biological Communication II (1.0 cr)
BIOL 4312 - Genetics (4.0 cr)
BIOL 4901 - Senior Seminar (1.0 cr)
CHEM 1101 - General Chemistry I [SCI-L] (4.0 cr)
MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
or MATH 1101 - Calculus I [M/SR] (5.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

**Mathematics 5-12**

**Mathematics 5-12**
MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
MATH 2101 - Calculus III [M/SR] (4.0 cr)
MATH 2111 - Linear Algebra [M/SR] (4.0 cr)
MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
MATH 2211 - History of Mathematics (4.0 cr)
MATH 3211 - Geometry [M/SR] (4.0 cr)
MATH 3231 - Abstract Algebra I [M/SR] (4.0 cr)
MATH 3411 - Discrete and Combinatorial Mathematics [M/SR] (4.0 cr)
STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

**Physics 9-12**

**Physics 9-12**
Also recommended (required for physics major): MATH 2101-Calc III, MATH 2401-Differential Equations
MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
PHYS 1102 - General Physics II [SCI-L] (5.0 cr)
PHYS 2101 - Modern Physics [SCI-L] (4.0 cr)
PHYS 2201 - Circuits and Electronic Devices [SCI-L] (4.0 cr)
PHYS 2401 - Optics [SCI-L] (4.0 cr)
PHYS 3501 - Statistical Physics [SCI] (4.0 cr)
PHYS 4101 - Electromagnetism (4.0 cr)
PHYS 4201 - Quantum Mechanics (4.0 cr)

**Research**
Other research experience (e.g., UROP, internship) can be substituted with discipline approval. Take 1 or more sub-requirements(s) from the following:

**Senior Thesis**
• PHYS 4901 - Senior Thesis I (1.0 cr)
PHYS 4902 - Senior Thesis II (1.0 cr)

• Directed Research
• PHYS 1993 - Directed Study (1.0 - 5.0 cr)
or PHYS 2993 - Directed Study (1.0 - 5.0 cr)
or PHYS 3993 - Directed Study (1.0 - 5.0 cr)
or PHYS 4993 - Directed Study (1.0 - 5.0 cr)

Social Studies 5-12
Social Studies 5-12
(fulfills requirements for a social science major)
ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
GEOG 2001 - Problems in Geography [ENVT] (4.0 cr)
HIST 1301 - Introduction to U.S. History [HIST] (4.0 cr)
POL 1201 - American Government and Politics [E/CR] (4.0 cr)
PSY 1051 - Introduction to Psychology [SS] (4.0 cr)
SOC 1101 - Introductory Sociology [SS] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
or Equivalent proficiency in statistics approved by the divisional committee for the social science major.

Area of focus:
Students work closely with their advisers to plan a program that satisfies the required competencies in a chosen sub-plan and in the social science disciplines. The sub-plan most often is demonstrated by completing the minor in that discipline. Program plans must be on file with the Social Sciences Division Office by the completion of a student’s junior year.

Anthropology
ANTH 2101 - Physical Anthropology [SCI-L] (4.0 cr)
ANTH 2103 - Archaeology [SS] (4.0 cr)
ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
An additional 8 credits (exclusive of those used to complete required courses) in anthropology and sociology; 4 of which must be in courses above 1xxx. No more than 4 credits can be from SOC courses.
Take at most 4 credit(s) from the following:
• ANTH 1xxx
• SOC 1xxx
Take 4 or more credit(s) from the following:
Antropology Electives
Take 4 or more credit(s) from the following:
• ANTH 2604 - China in the Era of Globalization [IP] (4.0 cr)
• ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
• ANTH 3402 - Representations from the Field: American Indian Ethnography and Ethnography [HDIV] (4.0 cr)
• ANTH 3455 - North American Archaeology [SS] (4.0 cr)
• ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• ANTH 3602 - Women in Latin America [IP] (4.0 cr)
• ANTH 3603 - Latin American Archaeology [SS] (4.0 cr)
• ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
• ANTH 3xxx
• ANTH 3xxx
• ANTH 4xxx

Sociology Electives
Take at most 4 credit(s) from the following:
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 3103 - Research Methodology in Sociology [SS] (4.0 cr)
• SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• SOC 3251 - African Americans [HDIV] (4.0 cr)
• SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
• SOC 3403 - Sociological Theory [SS] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SOC 2xxx
• SOC 3xxx
• SOC 4xxx

-OR-

Economics
ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)

No more than 4 cr from each of the following can be applied to the sub-plan: ECON x993, ECON 4501

Take 6 or more credit(s) from the following:
• ECON 3005 - Experimental and Behavioral Economics I [SS] (2.0 cr)
• ECON 3006 - Experimental and Behavioral Economics II [SS] (2.0 cr)
• ECON 3007 - Environmental and Natural Resource Economics I [ENVT] (2.0 cr)
• ECON 3008 - Environmental and Natural Resource Economics II [ENVT] (2.0 cr)
• ECON 3009 - Political Economy [SS] (4.0 cr)
• ECON 3014 - Game Theory: The Theory of Strategic Behavior I [SS] (2.0 cr)
• ECON 3015 - Game Theory: The Theory of Strategic Behavior II [SS] (2.0 cr)
• ECON 3113 - Money, Banking, and Financial Markets [SS] (4.0 cr)
• ECON 3121 - Public Economics I [SS] (2.0 cr)
• ECON 3122 - Public Economics II [SS] (2.0 cr)
• ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
• ECON 3133 - Economics of China [IP] (2.0 cr)
• ECON 3134 - Cooperative Business Model [SS] (2.0 cr)
• ECON 3141 - Economic Development and Growth I [IP] (2.0 cr)
• ECON 3142 - Economic Development and Growth II [IP] (2.0 cr)
• ECON 3153 - Contemporary Global Economic Issues [IP] (2.0 cr)
• ECON 3211 - History of Economic Thought I [HIST] (2.0 cr)
• ECON 3212 - History of Economic Thought II [HIST] (2.0 cr)
• ECON 3351 - Globalization: Examining India’s Social and Economic Development [IP] (4.0 cr)
• ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
• ECON 3993 - Directed Study (1.0 - 5.0 cr)
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ECON 4102 - Labor Economics II (2.0 cr)
• ECON 4111 - Mathematical Economics I (2.0 cr)
• ECON 4112 - Mathematical Economics II (2.0 cr)
• ECON 4121 - International Trade Theory (2.0 cr)
• ECON 4131 - International Finance (2.0 cr)
• ECON 4501 - Senior Research Seminar in Economics and Management (2.0 cr)
• ECON 4993 - Directed Study (1.0 - 5.0 cr)
• ECON 3xxx
• ECON 4xxx

-OR-

History
HIST 1111 - Introduction to World History [HIST] (4.0 cr)

An additional 16 credits in history of which 12 credits are at 2xxx or above. There should be course work in at least two geographic areas, with at least one of these in a non-Western area.

Take at most 4 credit(s) from the following:
• HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)
• HIST 1501 - Introduction to East Asian History: China, Japan, and Korea before 1800. [HIST] (4.0 cr)
• HIST 1601 - Latin American History: A Basic Introduction [IP] (4.0 cr)
• HIST 1xxx

Take 12 or more credit(s) from the following:
• HIST 3181 - The Study of History: Schools, Rules, and Tools [HIST] (4.0 cr)
• HIST 3008 - The Making of the Islamic World [HDIV] (4.0 cr)
• HIST 3101 - Renaissance and Reformation [HIST] (4.0 cr)
• HIST 3102 - Early Modern Europe [HIST] (4.0 cr)
• HIST 2103 - Medieval Europe [HIST] (4.0 cr)
• HIST 2151 - Modern Europe [HIST] (4.0 cr)
• HIST 3161 - The Enlightenment [HIST] (4.0 cr)
• HIST 3204 - Nazi Germany [HIST] (4.0 cr)
• HIST 3207 - The Crusades [IP] (4.0 cr)
• HIST 3209 - Modern Germany [HIST] (4.0 cr)
• HIST 3211 - Modern France [HIST] (4.0 cr)
• HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
• HIST 3303 - Creation of the American Republic [HIST] (4.0 cr)
• HIST 3351 - The U.S. Presidency Since 1900 [SS] (4.0 cr)
• HIST 2352 - The U.S. 1960s [HIST] (4.0 cr)
• HIST 3353 - World War II [HIST] (4.0 cr)
• HIST 3355 - United States in Transition, 1877-1920 [HIST] (4.0 cr)
• HIST 3356 - Civil Rights Movement, 1954-1974 [HIST] (4.0 cr)
• HIST 3358 - Civil War and Reconstruction [HIST] (4.0 cr)
• HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
• HIST 3361 - An Environmental and Geographic History of the United States [ENVT] (4.0 cr)
• HIST 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (4.0 cr)
• HIST 3451 [Inactive] [HDIV] (4.0 cr)
• HIST 2452 - Minnesota History [HIST] (4.0 cr)
• HIST 3453 - The American Presidency, 1789-1900 [HIST] (4.0 cr)
• HIST 3455 - American Immigration [HIST] (4.0 cr)
• HIST 3456 - History of Religion in America [HIST] (4.0 cr)
• HIST 3457 - American Biography and Autobiography [HIST] (4.0 cr)
• HIST 2551 - Modern Japan [HIST] (4.0 cr)
• HIST 2552 - History of Modern China [HIST] (4.0 cr)
• HIST 3556 - Shanghai: China's Model of Modernity [IP] (4.0 cr)
• HIST 3559 - History of Religion in China [HIST] (4.0 cr)
• HIST 3601 - Great Books in Latin American History [IP] (4.0 cr)
• HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
• HIST 3707 - Gender in East Asia [HDIV] (4.0 cr)
• HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
• HIST 3993 - Directed Study (1.0 - 5.0 cr)
• HIST 4993 - Directed Study (1.0 - 5.0 cr)
• HIST 2xxx
• HIST 3xxx
• HIST 4xxx

-OR-

Political Science

An additional 16 credits (exclusive of those used to complete required courses); 8 of which must be in courses above 2xxx.

Take at most 8 credit(s) from the following:
• POL 1101 - Introduction to Political Theory [E/CR] (4.0 cr)
• POL 1401 - World Politics [IP] (4.0 cr)
• POL 1xxx
• POL 2xxx

Take 8 or more credit(s) from the following:
• POL 3201 - Legislative Process [SS] (4.0 cr)
• POL 3211 - The American Presidency [SS] (4.0 cr)
• POL 3233 [Inactive] [E/CR] (4.0 cr)
• POL 3234 - Race, Class, and Power: Social Movements and Interest Groups in U.S. Politics [HDIV] (4.0 cr)
• POL 3261 - State and Local Politics [SS] (4.0 cr)
• POL 3263 - Political Psychology [SS] (4.0 cr)
• POL 3272 - Making Environmental Public Policy [ENVT] (4.0 cr)
• POL 3351 - Ancient and Medieval Political Thought [HUM] (4.0 cr)
• POL 3352 - Modern Political Thought [HUM] (4.0 cr)
• POL 3354 - Political Ethics [E/CR] (4.0 cr)
• POL 3355 - Environmental Political Theory [ENVT] (4.0 cr)
• POL 3401 - U.S. Foreign Policy [SS] (4.0 cr)
• POL 3411 - International Law [E/CR] (4.0 cr)
• POL 3461 - Diplomatic Negotiation [IP] (4.0 cr)
• POL 3475 - International Human Rights [IP] (4.0 cr)
• POL 3501 - Government and Politics of Asia [SS] (4.0 cr)
• POL 3503 - Women in Politics Worldwide [IP] (4.0 cr)
• POL 3504 - Latin American Politics [IP] (4.0 cr)
• POL 3996 - Field Study in Political Science (1.0 - 16.0 cr)
• POL 4251 - Political Participation and Voting Behavior [SS] (4.0 cr)
• POL 4266 - Media and Politics (4.0 cr)
• POL 4301 - Contemporary Political Thought [HUM] (4.0 cr)
• POL 4302 - International Comparative Political Theory [IP] (4.0 cr)
• POL 4451 - Comparative Foreign Policy (4.0 cr)
• POL 4452 - International Relations (4.0 cr)
• POL 3xxx
• POL 4xxx

-OR-

Psychology
In addition to PSY 2001, students must complete at least one course from four of the five areas. One must be a designated lab course.

PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)

Learning and Cognition
Take 0 or more course(s) from the following:
• PSY 3101 - Learning Theory and Behavior Modification [SS] (4.0 cr)
• PSY 3111 - Sensation and Perception [SS] (4.0 cr)
• PSY 3112 - Cognition [SS] (4.0 cr)

Biological and Comparative Psychology
Take 0 or more course(s) from the following:
• PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
• PSY 3211 - Biological Psychology [SCI-L] (5.0 cr)
• PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
• PSY 3521 - Health Psychology [SS] (4.0 cr)

Personality and Clinical Psychology
Take 0 or more course(s) from the following:
• PSY 3302 - Personality [SS] (4.0 cr)
• PSY 3313 - Psychopathology [SS] (4.0 cr)
• PSY 4101 - Helping Relationships (4.0 cr)
• PSY 4301 - Clinical Assessment and Therapeutic Interventions (4.0 cr)

Developmental Psychology
Take 0 or more course(s) from the following:
• PSY 2411 - Introduction to Lifespan Developmental Psychology [SS] (4.0 cr)
• PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
• PSY 3401 - Developmental Psychology I: Child Psychology [SS] (4.0 cr)
• PSY 3402 - Developmental Psychology II: Adolescence and Emerging Adulthood [SS] (4.0 cr)
• PSY 3403 - Developmental Psychology III: Adulthood and Aging [E/CR] (4.0 cr)
• PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)

Social and Applied Psychology
Take 0 or more course(s) from the following:
• PSY 3501 - Social Psychology [SS] (4.0 cr)
• PSY 3502 - Psychology and Law [SS] (4.0 cr)
• PSY 3503 - Consumer Psychology [SS] (4.0 cr)
• PSY 3504 - Educational Psychology [SS] (4.0 cr)
• PSY 3513 - Negotiation [SS] (4.0 cr)
• PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
• PSY 3701 - Organizational Behavior [SS] (4.0 cr)

Additional elective credits to total at least 22 credits in the psychology sub-plan (including required courses). Electives may be selected from any category above and the following:
Take 0 or more course(s) from the following:
• IS 3800 - Practicum in Social Sciences (1.0 - 2.0 cr)
• POL 3283 - Political Psychology [SS] (4.0 cr)
• PSY 2993 - Directed Study (1.0 - 5.0 cr)
• PSY 3315 - Parenting and Family Therapy [SS] (4.0 cr)
• PSY 3611 - History and Philosophy of Psychology [HI] [HIST] (4.0 cr)
• PSY 3800 - Research Practicum (1.0 - 12.0 cr)
• PSY 3993 - Directed Study (1.0 - 5.0 cr)
• PSY 4102 - Intro to Prof Conduct, Legal Constraints, Ethics in Human Services [E/CR] (2.0 cr)
• PSY 4770 - Research in Psychology (1.0 - 6.0 cr)
• PSY 4896 - Field Experiences in Psychology (1.0 - 4.0 cr)
• PSY 4993 - Directed Study (1.0 - 5.0 cr)
• STAT 3601 - Data Analysis [M/SR] (4.0 cr)
• STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)

-OR-

Sociology
SOC 3103 - Research Methodology in Sociology [SS] (4.0 cr)
SOC 3403 - Sociological Theory [SS] (4.0 cr)
No more than 4 credits of the 12 elective credits required for the sub-plan can be from ANTH courses. SOC 4991 is strongly recommended.

Take at most 4 credit(s) from the following:
• ANTH 2101 - Physical Anthropology [SCI-L] (4.0 cr)
• ANTH 2103 - Archaeology [SS] (4.0 cr)
• ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
• ANTH 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
• ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
• ANTH 3455 - North American Archaeology [SS] (4.0 cr)
• ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• ANTH 3602 - Women in Latin America [IP] (4.0 cr)
• ANTH 3603 - Latin American Archaeology [SS] (4.0 cr)
• ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
• ANTH 4901 - Seminar in Anthropological Theory (4.0 cr)
• ANTH 2xxx
• ANTH 3xxx
• ANTH 4xxx

Take 8 or more credit(s) from the following:
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• SOC 3251 - African Americans [HDIV] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SOC 4991 - Sociology Independent Project Seminar (4.0 cr)
• SOC 2xxx
• SOC 3xxx
• SOC 4xxx

Spanish K-12
SPAN 2001 - Intermediate Spanish I [IP] (4.0 cr)
SPAN 2002 - Intermediate Spanish II [IP] (4.0 cr)
SPAN 3011 - Conversation, Composition, and Culture [IP] (2.0 cr)
SPAN 3012 - Spanish Grammar in Practice [IP] (2.0 cr)
SPAN 3111 - Readings in Spanish I [HUM] (2.0 cr)
SPAN 3112 - Readings in Spanish II [HUM] (2.0 cr)
SPAN 3211 - Literature and Culture of Latin America [HUM] (4.0 cr)
SPAN 3212 - Literature and Culture of Spain [HUM] (4.0 cr)
3 additional courses at 36xx level (12 cr)
Study abroad is strongly encouraged.

Visual Arts K-12
ARTH 1101 - Principles of Art [FA] (4.0 cr)
ARTH 1111 - Ancient to Medieval Art [FA] (4.0 cr)
ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)
ARTS 1101 - Basic Studio Drawing I [ART/P] (2.0 cr)
ARTS 1102 - Basic Studio Drawing II [ART/P] (2.0 cr)
ARTS 1103 - Basic Studio 2-D Design [ART/P] (2.0 cr)
ARTS 1104 - Basic Studio 3-D Design [ART/P] (2.0 cr)
ARTS 1105 - Basic Studio Discussion I [ART/P] (1.0 cr)
ARTS 1106 - Basic Studio Discussion II [ART/P] (1.0 cr)
ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)
or ARTS 3510 - Photographic and Digital Processes II [ART/P] (3.0 cr)
ARTS 3002 - Media Studies: Artist's Books [ART/P] (3.0 cr)
or ARTS 3006 - Media Studies: Feminist Art: A Studio Perspective [ART/P] (3.0 cr)
Minimum 12 cr in one of the following media plus 6 cr in another and 3 cr in the third media:

First Media
complete 12 credits
Printmaking
ArtS 3210 repeat to 12 cr
ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)
ARTS 3210 - Printmaking Studio II [ART/P] (3.0 cr)
or Painting
ArtS 3310 repeat to 12 cr
ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)
ARTS 3310 - Painting Studio II [ART/P] (3.0 cr)
or Sculpture
ArtS 3410 repeat to 12 cr
ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)
ARTS 3410 - Sculpture Studio II [ART/P] (3.0 cr)
or Ceramics
ARTS 3650 repeat to 12 cr
ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
ARTS 3650 - Advanced Ceramics [ART/P] (3.0 cr)
or Drawing
ARTS 3110 repeat to 12 cr
ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)
ARTS 3110 - Advanced Drawing II [ART/P] (3.0 cr)
or Photography/Digital Imaging
ARTS 3510 repeat to 12 cr
ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)

Second Media
complete 6 credits (must be different from first media)
Printmaking
ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)
ARTS 3210 - Printmaking Studio II [ART/P] (3.0 cr)
or Painting
ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)
ARTS 3310 - Painting Studio II [ART/P] (3.0 cr)
or Sculpture
ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)
ARTS 3410 - Sculpture Studio II [ART/P] (3.0 cr)
or Ceramics
ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
ARTS 3650 - Advanced Ceramics [ART/P] (3.0 cr)
or Drawing
ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)
ARTS 3110 - Advanced Drawing II [ART/P] (3.0 cr)
or Photography/Digital Imaging
repeat to 6 credits
ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)
ARTS 3510 - Photographic and Digital Processes II [ART/P] (3.0 cr)

Third Media
complete 3 credits (must be different from the first and second media)
ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
or ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)
or ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)
or ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)
or ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)
or ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)

Vocal Music K-12
Vocal Music K-12
MUS 1101 - Core Studies I: Music Theory I [M/SR] (4.0 cr)
MUS 1102 - Core Studies I: Music Theory II [M/SR] (4.0 cr)
MUS 1320 - Concert Choir [ART/P] (1.0 cr)
MUS 1401 - English, Italian, German, and French Diction for Singers [ART/P] (1.0 cr)
MUS 2101 - Core Studies II: Music Theory III [HUM] (4.0 cr)
MUS 2102 - Core Studies II: Music Theory IV [HUM] (4.0 cr)
MUS 3101 - Core Studies III: Medieval, Renaissance, and Baroque Music [HiST] (4.0 cr)
MUS 3102 - Core Studies III: Classical, Romantic, and 20th-Century Music [FA] (4.0 cr)
MUS 3161 - Introduction to World Music [IP] (4.0 cr)
MUS 2301 - Instrumental Techniques--Woodwind (1.0 cr)
MUS 2302 - Instrumental Techniques--Brass (1.0 cr)
MUS 2303 - Instrumental Techniques--Strings (1.0 cr)
MUS 2304 - Vocal Techniques (1.0 cr)
MUS 3311 - Conducting Techniques (2.0 cr)
MUS 3331 - Choral Conducting and Materials (2.0 cr)
MUS 3352 - Choral Arranging [ART/P] (2.0 cr)
MUS 4901 - Senior Project and Portfolio (1.0 cr)
MUS 1200-1223-Individual Performance Studies (consult with music faculty to determine performance studies requirements)
MUS 3200-3223-Advanced Individual Performance Studies in voice or guitar (consult with music faculty to determine performance studies requirements)

**Concert Attendance**
Seven successful completions of MUS 1000-Concert Attendance

**Piano Proficiency**
Music theory courses (1101, 1102, 2101, 2102) are taken concurrently with piano lessons or functional keyboard for the Music Major, Mus 1111, 1112, 2111, 2112 until the piano proficiency test is passed.

**Secondary Performance**
Secondary performance competence on another family (wind, string, percussion, or keyboard)
Morris Campus
Sport Management B.A.
Division of Education

Program Type: Baccalaureate
Requirements for this program are current for Fall 2015
Required credits to graduate with this degree: 120
Required credits within the major: 54 to 56
Degree: Bachelor of Arts

This is an interdisciplinary program housed in the Division of Education. The program is administered by the sport management coordinator. Core courses in sport studies and athletics and in management build a foundation of knowledge and skills related to managing, planning, organizing, budgeting, leading, marketing, and evaluating within the context of an organization or department whose primary product or service is related to sport or physical activity. Carefully selected elective courses prepare students for graduate study (e.g., in business, law, or sport management) or a career in the sport or fitness industry (e.g., athletic director, sport agent, sport marketing, sport media, and managing professional and amateur sport organizations, parks and recreation areas, or sport governing bodies).

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

No grades below C- are allowed. Required courses including electives must be taken A-F, unless they are offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of “F” are included in GPA calculation until they are replaced.

Foundational Courses
PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
  or CMR 1062 - Introduction to Interpersonal and Group Communication [HUM] (4.0 cr)

Sport Management Core
ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
MGMT 2101 - Principles of Accounting I (4.0 cr)
MGMT 3171 - Leadership in Organizations [SS] (2.0 cr)
SSA 2302 - Introduction to Sport Management (2.0 cr)
SSA 2401 - Sociological Aspects of Sports [SS] (2.0 cr)
SSA 2402 - Psychological Aspects of Sports [SS] (2.0 cr)
SSA 3101 - Sport Industry Analysis [SS] (4.0 cr)
SSA 4101 - Planning and Programming of Athletic Facilities (4.0 cr)
SSA 4102 - Organization and Administration of Athletics and Recreation (4.0 cr)
SSA 4201 - Sport Governance: Legal and Ethical Issues [E/CR] (4.0 cr)

Elective Courses
Take an additional 12 or more credits from the courses listed below. At least 8 credits must be in management at the 3xxx level or above.

Students interested in earning a management minor should see the management section of the catalog for additional information.

Take 12 or more credit(s) from the following:

Take 8 or more credit(s) from the following:
- MGMT 3101 - Financial Management [SS] (4.0 cr)
- MGMT 3123 - Managerial Economics [SS] (4.0 cr)
- MGMT 3133 - Managerial Accounting (4.0 cr)
- MGMT 3141 - Business Law I (2.0 cr)
- MGMT 3142 - Business Law II (2.0 cr)
- MGMT 3151 - Human Resources Management I [E/CR] (2.0 cr)
- MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
- MGMT 3161 - Labor Management Relations I [E/CR] (2.0 cr)
- MGMT 3162 - Labor Management Relations II [SS] (2.0 cr)
- MGMT 3201 - Marketing Principles and Strategy [SS] (4.0 cr)
- MGMT 3221 - Management and Organization Theory [SS] (4.0 cr)
- MGMT 3513 - Negotiation (4.0 cr)
- MGMT 3701 - Organizational Behavior [SS] (4.0 cr)

Take at most 4 credit(s) from the following:
- BIOL 2102 - Human Anatomy (3.0 cr)
- ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
- ECON 4102 - Labor Economics II (2.0 cr)
- MGMT 2102 - Principles of Accounting II (2.0 cr)
- PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)
- SOC 3103 - Research Methodology in Sociology (4.0 cr)
- PSY 3701 - Organizational Behavior [SS] (4.0 cr)
- SSA 2102 - Human Anatomy (3.0 cr)
- SSA 2111 - Kinesiology [SCI] (2.0 cr)
- SSA 2112 - Exercise Physiology (2.0 cr)
- SSA 3172 - Leadership in Sport Organizations [SS] (2.0 cr)
- SSA 3201 - Coaching Practicum (1.0 cr)
Morris Campus
Sport Management Minor
Division of Education

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2015
• Required credits in this minor: 26

This is an interdisciplinary program housed in the Division of Education. The program is administered by the sport management coordinator. Core courses in sport studies and athletics and in management build a foundation of knowledge and skills related to managing, planning, organizing, budgeting, leading, marketing, and evaluating within the context of an organization or department whose primary product or service is related to sport or physical activity. Carefully selected elective courses prepare students for graduate study (e.g., in business, law, or sport management) or a career in the sport or fitness industry (e.g., athletic director, sport agent, sport marketing, sport media, and managing professional and amateur sport organizations, parks and recreation areas, or sport governing bodies).

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
No grades below C- are allowed. Required courses including electives must be taken A-F, unless they are offered S-N only.

Sport Management Core
ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
MGMT 2101 - Principles of Accounting I (4.0 cr)
SSA 2302 - Introduction to Sport Management (2.0 cr)
SSA 2401 - Sociological Aspects of Sports [SS] (2.0 cr)
SSA 2402 - Psychological Aspects of Sports [SS] (2.0 cr)
SSA 3101 - Sport Industry Analysis [SS] (4.0 cr)
SSA 4101 - Planning and Programming of Athletic Facilities (4.0 cr)
or SSA 4102 - Organization and Administration of Athletics and Recreation (4.0 cr)

Elective Courses
Take four additional credits from MGMT 3xxx or above.

Students interested in earning a management minor should see the management section of the catalog for additional information.
Take 4 or more credit(s) from the following:
• MGMT 3101 - Financial Management [SS] (4.0 cr)
• MGMT 3123 - Managerial Economics [SS] (4.0 cr)
• MGMT 3133 - Managerial Accounting (4.0 cr)
• MGMT 3141 - Business Law I (2.0 cr)
• MGMT 3142 - Business Law II (2.0 cr)
• MGMT 3151 - Human Resources Management I [E/CR] (2.0 cr)
• MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
• MGMT 3161 - Labor Management Relations I [E/CR] (2.0 cr)
• MGMT 3162 - Labor Management Relations II [SS] (2.0 cr)
• MGMT 3171 - Leadership in Organizations [SS] (2.0 cr)
• MGMT 3201 - Marketing Principles and Strategy [SS] (4.0 cr)
• MGMT 3221 - Management and Organization Theory [SS] (4.0 cr)
• MGMT 3513 - Negotiation (4.0 cr)
• MGMT 3701 - Organizational Behavior [SS] (4.0 cr)
Morris Campus
Biology B.A.
Division of Science & Mathematics - Adm

Division of Science and Mathematics

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 120
• Required credits within the major: 62 to 63
• Degree: Bachelor of Arts

The biology curriculum is designed to provide students with biological knowledge and to develop scientific skills as part of their liberal arts education. Included in those skills are the abilities to conduct and interpret scientific research and to successfully communicate scientific information both verbally and in writing. The faculty believe these objectives can best be attained through a balanced core curriculum in biology and a diverse array of elective coursework, both of which include active lab and field experiences. The biology major prepares students for graduate or professional programs and for careers such as secondary biology education, government service, or private sector employment. The biology discipline also offers a variety of 10XX courses that are designed specifically for students seeking to fulfill general education requirements in science.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B in the major. A minimum GPA of 2.00 is required in the major in order to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Biology majors are advised to complete their chemistry and mathematics requirements as early as possible. All majors should have their programs approved by a biology adviser by the beginning of their junior year.

Required Courses
BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)
BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
BIOL 3121 - Molecular Biology [SCI-L] (5.0 cr)
BIOL 3131 - Ecology [SCI-L] (4.0 cr)
BIOL 3700 - Biological Communication I (1.0 cr)
BIOL 3701 - Biological Communication II (1.0 cr)
BIOL 4901 - Senior Seminar (1.0 cr)
CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
CHEM 2301 - Organic Chemistry I [SCI] (4.0 cr)
CHEM 2311 - Organic Chemistry Lab I (1.0 cr)
MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
or MATH 1101 - Calculus I [M/SR] (5.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
**Elective Courses**

Take 16 or more credit(s) from the following:

**Organismal Electives**
Take 1 or more course(s) from the following:
- BIOL 4071 - Flora of Minnesota (4.0 cr)
- BIOL 4111 - Microbiology (4.0 cr)
- BIOL 4121 - Herpetology (4.0 cr)
- BIOL 4131 - Vertebrate Natural History (4.0 cr)
- BIOL 4151 - Entomology (4.0 cr)
- BIOL 4172 - Plant Systematics (4.0 cr)
- BIOL 4301 - Plant Biology (4.0 cr)
- GEOL 3111 - Introduction to Paleontology [SCI-L] (4.0 cr)

**Non-Organismal Electives**
Take 0 or more course(s) from the following:
- BIOL 4003 - Neurobiology (4.0 cr)
- BIOL 4103 - Cancer Biology (4.0 cr)
- BIOL 4122 - Virology (4.0 cr)
- BIOL 4161 - Evolution (4.0 cr)
- BIOL 4181 - Developmental Biology (4.0 cr)
- BIOL 4191 - Freshwater Biology (4.0 cr)
- BIOL 4211 - Biochemistry (4.0 cr)
- BIOL 4231 - Immunology (4.0 cr)
- BIOL 4311 - Conservation Genetics (4.0 cr)
- BIOL 4312 - Genetics (4.0 cr)
- BIOL 4321 - Animal Physiology (4.0 cr)
- BIOL 4332 - Ecology of Agriculture and Forestry [ENVT] (4.0 cr)
- BIOL 4333 - Biogeochemistry and Global Change (4.0 cr)
- BIOL 4351 - Conservation Biology (4.0 cr)
- BIOL 4611 - Biochemistry Lab (1.0 cr)

**Other Electives**
Take 0 - 1 course(s) from the following:
- PSY 3211 - Biological Psychology [SCI-L] (5.0 cr)
- PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
Morris Campus
Biology Minor
Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 27 to 28

Objectives--The biology curriculum is designed to provide students with biological knowledge and to develop scientific skills as part of their liberal arts education. These skills include the ability to conduct and interpret scientific research and successfully communicate scientific information both verbally and in writing. The faculty believe these objectives can best be attained through a balanced core curriculum in biology and a diverse array of elective coursework, both of which include active lab and field experiences. The biology major prepares students for graduate or professional programs and for careers such as secondary biology education, government service, or private sector employment.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Courses required for the minor may not be taken S-N. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of A or B in the minor. The GPA in these courses must be at least 2.00.

Minor Core Curriculum
BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)
BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
CHEM 1101 - General Chemistry I [SCI-L] (4.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (4.0 cr)

Elective Courses
Take 2 or more course(s) from the following:
- BIOL 3121 - Molecular Biology [SCI-L] (5.0 cr)
- BIOL 3131 - Ecology [SCI-L] (4.0 cr)
- BIOL 4003 - Neurobiology (4.0 cr)
- BIOL 4103 - Cancer Biology (4.0 cr)
- BIOL 4111 - Microbiology (4.0 cr)
- BIOL 4121 - Herpetology (4.0 cr)
- BIOL 4122 - Virology (4.0 cr)
- BIOL 4131 - Vertebrate Natural History (4.0 cr)
- BIOL 4151 - Entomology (4.0 cr)
- BIOL 4161 - Evolution (4.0 cr)
- BIOL 4172 - Plant Systematics (4.0 cr)
- BIOL 4181 - Developmental Biology (4.0 cr)
- BIOL 4191 - Freshwater Biology (4.0 cr)
- BIOL 4211 - Biochemistry (4.0 cr)
- BIOL 4231 - Immunology (4.0 cr)
- BIOL 4301 - Plant Biology (4.0 cr)
- BIOL 4311 - Conservation Genetics (4.0 cr)
- BIOL 4312 - Genetics (4.0 cr)
- BIOL 4321 - Animal Physiology (4.0 cr)
- BIOL 4331 - Global Change Ecology (4.0 cr)
- BIOL 4351 - Conservation Biology (4.0 cr)
- BIOL 4611 - Biochemistry Lab (1.0 cr)
- Or choose not more than one of the following non-biology electives:
  - PSY 3211 - Biological Psychology [SCI-L] (5.0 cr)
  - or PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
  - or GEOL 3111 - Introduction to Paleontology [SCI-L] (4.0 cr)
**Morris Campus**

**Chemistry B.A.**

*Division of Science & Mathematics - Adm*

**Division of Science and Mathematics**

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 60 to 76
- Degree: Bachelor of Arts

Coursework in chemistry is increasingly interdisciplinary and spans analytical, inorganic, organic, and physical chemistry. Students may also pursue a degree in chemistry with a biochemistry subfield or design an interdisciplinary area of concentration encompassing chemistry and related fields. All majors must study beginning physics and calculus. Beginning chemistry courses satisfy the physical sciences component of the general education requirements.

The UMM chemistry program is approved to offer American Chemical Society (ACS) Certified Degrees. Students who wish to have their degree certified by the ACS may need to complete additional courses or work beyond the program requirements listed below. A complete description of how to complete the ACS requirements at UMM can be found on the discipline web page:  
http://www.morris.umn.edu/academic/chemistry/courses.html

Chemistry and biochemistry majors do hands-on work with chemical instrumentation and use computers in both software and hardware applications. The faculty prides itself on working closely with its students on undergraduate research projects, directed studies, and undergraduate teaching assistantships. In addition, chemistry/biochemistry majors are encouraged to complete summer research internships at university and industrial labs or at other research facilities, locally and nationally.

Degrees in chemistry/biochemistry, in addition to being an excellent preparation for industrial employment, government service, or secondary teaching, also prepare students for postgraduate work (> 60% of majors pursue postgraduate work).

Objectives--the chemistry discipline is designed to:

~ serve students from other disciplines requiring knowledge of chemistry;
~ advance student learning in contemporary chemistry/biochemistry at a level appropriate to undergraduates;
~ advance student competence in research in chemistry/biochemistry;
~ prepare students for postgraduate work in a variety of fields and/or for careers in industrial or clinical settings or for careers in secondary education.
~ prepare students for professional programs such as medicine, pharmacy, veterinary medicine, dentistry, and physician assistant.

Learning Outcomes -- The curriculum is designed to ensure that, within the context of chemistry and biochemistry, students are able to:

~ demonstrate an understanding of fundamental concepts of chemistry.
~ solve problems using critical thinking and analytical reasoning skills including the integration of knowledge from other disciplines.
~ identify the objective of an experiment, conduct experiments using appropriate techniques and equipment, interpret the results, discuss the data, and draw conclusions.
~ communicate concepts and results effectively (oral and written), including interpersonal communication.
~ locate and understand literature (especially primary literature) in chemistry and scientific publications.
~ recognize hazards, conduct experiments in a safe, ethical and sustainable manner, and manage chemicals, including chemical wastes.
~ work collaboratively as part of a team.

**Program Delivery**

This program is available:

~ via classroom (the majority of instruction is face-to-face)

**Admission Requirements**

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

**General Requirements**
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Courses may not be taken S-N. Up to 8 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B. A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced. Students should consult members of the chemistry faculty to plan programs of study appropriate to their interests and postgraduate goals.

General Physics (Phys 1101, 1102) is required, but Principles of Physics (Phys 1091, 1092) will be considered for substitution on a case-by-case basis via petition to the Discipline.

Students may complete a major in chemistry through one of two tracks--the standard chemistry major or the chemistry major with a biochemistry subfield.

Required Courses
- CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
- CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
- CHEM 2301 - Organic Chemistry I [SCI] (4.0 cr)
- CHEM 2311 - Organic Chemistry Lab I (1.0 cr)
- CHEM 3101 - Analytical Chemistry [SCI-L] (4.0 cr)
- CHEM 3501 - Physical Chemistry I [SCI] (4.0 cr)
- CHEM 3901 - Chemistry Seminar I (0.5 cr)
- CHEM 4901 - Chemistry Seminar II (0.5 cr)

MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
PHYS 1102 - General Physics II [SCI-L] (5.0 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.)

Chemistry, Subfield Biochemistry

Biochemistry Required Courses
- BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
- BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
- BIOL 3121 - Molecular Biology [SCI-L] (5.0 cr)
- BIOL 4211 - Biochemistry (4.0 cr)
- BIOL 4611 - Biochemistry Lab (1.0 cr)
- CHEM 4351 - Bioorganic Chemistry (4.0 cr)

Biochemistry Electives
For students planning to go to graduate school in biochemistry, it is recommended that they also take BIOL 4111 - Microbiology and BIOL 4312 - Genetics.

Take 1 or more course(s) from the following:
- CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
- CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
- CHEM 3502 - Physical Chemistry II [SCI] (4.0 cr)
- CHEM 4111 - Instrumental Analysis (5.0 cr)
- CHEM 4352 - Synthesis (4.0 cr)
- CHEM 4551 - Theoretical Chemistry (4.0 cr)
- CHEM 4552 - Molecular Spectroscopy (3.0 cr)
- CHEM 4701 - Inorganic Chemistry (4.0 cr)
• CHEM 4751 - Advanced Inorganic Chemistry (2.0 cr)

Chemistry, Standard

Standard Chemistry Required Courses
CHEM 3502 - Physical Chemistry II [SCI] (4.0 cr)
CHEM 3511 - Physical Chemistry Lab (1.0 cr)

Standard Chemistry Elective Courses
Take 2 or more course(s) from the following:
• CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
• CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
• CHEM 4111 - Instrumental Analysis (5.0 cr)
• CHEM 4352 - Synthesis (4.0 cr)
• CHEM 4551 - Theoretical Chemistry (4.0 cr)
• CHEM 4552 - Molecular Spectroscopy (3.0 cr)
• CHEM 4701 - Inorganic Chemistry (4.0 cr)
• CHEM 4751 - Advanced Inorganic Chemistry (2.0 cr)
• BIOL 4211 - Biochemistry (4.0 cr)
• BIOL 4611 - Biochemistry Lab (1.0 cr)
Morris Campus
Chemistry Minor
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 23 to 26

The chemistry curriculum focuses on the structure of matter and the conditions required for material change. It prepares students for postgraduate work in a wide variety of fields, or for careers in industry or secondary teaching.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Courses may not be taken S-N except where noted. Up to 8 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of coursework with a grade of A or B. The GPA in the minor courses must be at least 2.00.

Required Courses
CHEM 1101 - General Chemistry I [SCI-L] (4.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (4.0 cr)
CHEM 2301 - Organic Chemistry I [SCI] (4.0 cr)
CHEM 2311 - Organic Chemistry Lab I (1.0 cr)

Elective Courses
Three elective courses are required. Students must take either CHEM 3101 or 3501. Two additional courses are also required. If CHEM 3101 is not taken, one of the two courses must include lab or have an additional concurrent lab registration.

If CHEM 3101 is taken:
CHEM 3101 - Analytical Chemistry [SCI-L] (4.0 cr)
Take 2 or more course(s) totaling 6 or more credit(s) from the following:
- BIOL 4211 - Biochemistry (4.0 cr)
- CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
- CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
- CHEM 3501 - Physical Chemistry I [SCI] (4.0 cr)
- CHEM 3502 - Physical Chemistry II [SCI] (4.0 cr)
- CHEM 4111 - Instrumental Analysis (5.0 cr)
- CHEM 4352 - Synthesis (4.0 cr)
- CHEM 4551 - Theoretical Chemistry (4.0 cr)
- CHEM 4552 - Molecular Spectroscopy (3.0 cr)
- CHEM 4701 - Inorganic Chemistry (4.0 cr)
- CHEM 4751 - Advanced Inorganic Chemistry (4.0 cr)
- CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
or CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)
- CHEM 3511 - Biorganic Chemistry (4.0 cr)
or CHEM 4354 - Biochemistry of Neurological Disorders (4.0 cr)

or If CHEM 3101 is not taken:
CHEM 3501 - Physical Chemistry I [SCI] (4.0 cr)
Chose one course and lab combination from the following pairs:
Take 2 or more course(s) from the following:
- CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
- CHEM 2312 - Organic Chemistry Lab II (1.0 cr)
- CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)
- CHEM 2312 - Organic Chemistry Lab II (1.0 cr)
- CHEM 3502 - Physical Chemistry II [SCI] (4.0 cr)
- CHEM 3511 - Physical Chemistry Lab (1.0 cr)
- CHEM 4701 - Inorganic Chemistry (4.0 cr)
CHEM 4711 - Inorganic Chemistry Lab (1.0 cr)
• BIOL 4211 - Biochemistry (4.0 cr)
BIOL 4611 - Biochemistry Lab (1.0 cr)
• CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
CHEM 3411 - Polymer Chemistry Lab (1.0 cr)
Take 1 or more course(s) from the following:
• BIOL 4211 - Biochemistry (4.0 cr)
• CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
• CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)
• CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
• CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
• CHEM 3502 - Physical Chemistry II [SCI] (4.0 cr)
• CHEM 3451 - Bioorganic Chemistry (4.0 cr)
• CHEM 3452 - Synthesis (4.0 cr)
• CHEM 3454 - Biochemistry of Neurological Disorders (4.0 cr)
• CHEM 4551 - Theoretical Chemistry (4.0 cr)
• CHEM 4552 - Molecular Spectroscopy (3.0 cr)
• CHEM 4701 - Inorganic Chemistry (4.0 cr)
• CHEM 4751 - Advanced Inorganic Chemistry (4.0 cr)
Morris Campus
Computer Science B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 120
• Required credits within the major: 53
• Degree: Bachelor of Arts

The computer science curriculum is designed to not only provide a solid background in fundamentals, but also to continuously respond to rapid changes in the field of computing by equipping our students with modern tools, approaches, and cutting-edge concepts and technologies. Coursework in computer science spans three core areas of computing, including theory, software development, and systems. Beginning computer science courses are open to non-majors and satisfy the mathematical and symbolic reasoning component of the general education requirements. All computer science majors must complete a senior seminar capstone experience, and the discipline prides itself on the high quality of students’ papers and presentations in this course. The program also includes mathematics or statistics in the required coursework.

Computer science majors develop software, explore hardware systems, and apply theoretical concepts. Reflecting the collaborative nature of today’s world, team work is heavily integrated into computer science coursework. Students are encouraged to use and supplement their formal education through research opportunities, internship experiences, programming and robotics competitions, and student and professional organizations. Many students take advantage of the opportunity to collaborate with computer science faculty on research projects, presenting the results at international, national, and regional conferences, as well as at UMM’s Undergraduate Research Symposium.

Study in computer science is required for management and math majors at UMM, as well as for students pursuing a variety of pre-engineering programs. Many UMM computer science majors enter the job market upon graduation, primarily in the computing industry. Others pursue postgraduate work toward a masters or doctoral degree in computing, business, library science, or a variety of other fields.

Objectives—the computer science discipline is designed to:

* serve students from other disciplines requiring knowledge of computer science;
* advance student learning in computer science at a depth and breadth appropriate to undergraduates;
* advance student competence in research in computer science;
* advance student writing and presentation skills appropriate for the field;
* advance student teamwork and collaboration skills; and
* prepare students for careers in industrial settings and/or postgraduate work in computing.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Grades of D or D+ in CSCI 1201, 1301, 1302, and 2101 may not be used to meet the major requirements.

No more than one course with a grade of D or D+, offset by an equivalent number of credits of A or B grades, may be used to meet the requirements for a computer science major.
Courses may not be taken S-N unless offered S-N only. A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Elective courses: computer science major electives are divided into three areas: systems courses (CSCI 44xx), theory courses (CSCI 45xx), and programming and languages courses (CSCI 46xx). The discipline offers an array of courses in each area. The courses listed are representative of the courses offered. New courses are continually developed and added to keep up with changes in the field.

Required Courses

<table>
<thead>
<tr>
<th>Course number</th>
<th>Course name</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>CSCI 1302</td>
<td>Foundations of Computer Science [M/SR]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CSCI 2101</td>
<td>Data Structures [M/SR]</td>
<td>5.0 cr</td>
</tr>
<tr>
<td>CSCI 3402</td>
<td>Computing Systems: Concepts</td>
<td>3.0 cr</td>
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<tr>
<td>CSCI 3403</td>
<td>Computing Systems: Practicum</td>
<td>2.0 cr</td>
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<tr>
<td>CSCI 3501</td>
<td>Algorithms and Computability [M/SR]</td>
<td>5.0 cr</td>
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<tr>
<td>CSCI 3601</td>
<td>Software Design and Development [M/SR]</td>
<td>5.0 cr</td>
</tr>
<tr>
<td>CSCI 4901</td>
<td>Senior Seminar</td>
<td>1.0 cr</td>
</tr>
<tr>
<td>IS 1091</td>
<td>Ethical and Social Implications of Technology [E/CR]</td>
<td>2.0 cr</td>
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<tr>
<td>CSCI 1201</td>
<td>Introduction to Digital Media Computation [M/SR]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>or</td>
<td>CSCI 1301 - Problem Solving and Algorithm Development [M/SR]</td>
<td>4.0 cr</td>
</tr>
</tbody>
</table>

Elective Courses

Take 10 or more credit(s) including exactly 3 sub-requirements(s) from the following:

**Computing Systems Courses (44xx):**

Take 2 - 4 credit(s) from the following:
- CSCI 4403 - Systems: Data Mining (2.0 cr)
- CSCI 4406 - Systems: Wireless Data Networks (2.0 cr)
- CSCI 4409 - Systems: Programming for Parallel Architecture (2.0 cr)
- CSCI 4451 - Systems: Distributed Systems (4.0 cr)
- CSCI 4452 - Systems: Computer Networks (4.0 cr)
- CSCI 4453 - Systems: Database Systems (4.0 cr)
- CSCI 4454 - Systems: Robotics (4.0 cr)
- CSCI 4456 - Systems: Advanced Operating Systems (4.0 cr)
- CSCI 4457 - Systems: Ubiquitous Computing (4.0 cr)
- CSCI 4458 - Systems: Bioinformatic Systems (4.0 cr)
- CSCI 4459 - Systems: Virtualization and Operating System Administration, Configuration, and Implementation (4.0 cr)

**Theory Courses (45xx):**

Take 2 - 4 credit(s) from the following:
- CSCI 4506 - Theory: Fuzzy Logic and Fuzzy Sets (2.0 cr)
- CSCI 4507 - Theory: Data Compression (2.0 cr)
- CSCI 4508 - Theory: Algorithm Design (2.0 cr)
- CSCI 4511 - Theory: Artificial Life (2.0 cr)
- CSCI 4552 - Theory: Advanced Algorithms (4.0 cr)
- CSCI 4553 - Theory: Evolutionary Computation and Artificial Intelligence (4.0 cr)
- CSCI 4554 - Theory: Cryptography (4.0 cr)
- CSCI 4555 - Theory: Neural Networks and Machine Learning (4.0 cr)
- CSCI 4556 - Theory: Computer Graphics (4.0 cr)
- CSCI 4557 - Theory: Quantum Computing (4.0 cr)

**Processes, Programming, and Languages Courses (46xx):**

Take 2 - 4 credit(s) from the following:
- CSCI 4604 - Processes, Programming, and Languages: Graphical User Interfaces (2.0 cr)
- CSCI 4605 - Processes, Programming, and Languages: Refactoring (2.0 cr)
- CSCI 4651 - Processes, Programming, and Languages: Programming Languages (4.0 cr)
- CSCI 4652 - Processes, Programming, and Languages: Compilers (4.0 cr)
- CSCI 4653 - Processes, Programming, and Languages: Software Engineering (4.0 cr)
- CSCI 4654 - Processes, Programming, and Languages: Modern Functional Programming (4.0 cr)
- CSCI 4655 - Processes, Programming, and Languages: Software Design and Development II (4.0 cr)
- CSCI 4656 - Processes, Programming, and Languages: Human-Computer Interaction and Interface Design (4.0 cr)
- CSCI 4657 - Processes, Programming, and Languages: Programming Languages for Client-Server Systems (4.0 cr)
- CSCI 4658 - Processes, Programming, and Languages: Usability, Design, and Mobile Technologies (4.0 cr)

Math and Statistics Electives

MATH 1101 and above, excluding MATH 2211, or STAT 2xxx and above.

Take 12 or more credit(s) from the following:
- CSCI 2701 - Introduction to Data Science [M/SR] (4.0 cr)
• **MATH 1101** - Calculus I [M/SR] (5.0 cr)
• **MATH 1102** - Calculus II [M/SR] (5.0 cr)
• **MATH 2101** - Calculus III [M/SR] (4.0 cr)
• **MATH 2111** - Linear Algebra [M/SR] (4.0 cr)
• **MATH 2202** - Mathematical Perspectives [M/SR] (4.0 cr)
• **MATH 2401** - Differential Equations [M/SR] (4.0 cr)
• **MATH 2501** - Probability and Stochastic Processes [M/SR] (4.0 cr)
• **MATH 3xxx**
• **MATH 4xxx**
• **STAT 2xxx**
• **STAT 3xxx**
• **STAT 4xxx**
Morris Campus

Computer Science Minor

Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 27

Objectives--The computer science curriculum is designed to provide students with a strong foundation in the diverse and rapidly changing field of computing. The science of computing is emphasized with a focus on fundamental principles and the formal underpinnings of the field. Students are encouraged to use and supplement their formal education through a variety of research opportunities, participation in discipline colloquia and student/professional organizations, and pursuit of internship experiences or international studies opportunities.

Program Delivery

This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements

No more than two courses with a grade of D or D+, offset by an equivalent number of credits of A or B grades, may be used to meet the requirements for a computer science minor. Non-elective courses taken S-N may not be counted towards the minor. A minimum GPA of 2.00 is required in the minor in order to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Minor Required Courses

- CSCI 1201 - Introduction to Digital Media Computation [M/SR] (4.0 cr)
  or CSCI 1301 - Problem Solving and Algorithm Development [M/SR] (4.0 cr)
- CSCI 1302 - Foundations of Computer Science [M/SR] (4.0 cr)
- CSCI 2101 - Data Structures [M/SR] (5.0 cr)

Take 1 or more course(s) from the following:
- CSCI 3401 - Models of Computing Systems [M/SR] (5.0 cr)
- CSCI 3501 - Algorithms and Computability [M/SR] (5.0 cr)
- CSCI 3601 - Software Design and Development [M/SR] (5.0 cr)

Take 4 or more credit(s) from the following:
- CSci 3xxx
- CSci 4xxx

Minor Elective Courses

Take 4 or more credit(s) from the following:
- MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
- MATH 1101 - Calculus I [M/SR] (5.0 cr)
- MATH 1102 - Calculus II [M/SR] (5.0 cr)
- MATH 2101 - Calculus III [M/SR] (4.0 cr)
- MATH 2111 - Linear Algebra [M/SR] (4.0 cr)
- MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
- MATH 2401 - Differential Equations [M/SR] (4.0 cr)
- MATH 2501 - Probability and Stochastic Processes [M/SR] (4.0 cr)
- MATH 3xxx
- MATH 4xxx
- STAT 1xxx
- STAT 2xxx
- STAT 3xxx
- STAT 4xxx
Morris Campus
Environmental Science B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 76
- Degree: Bachelor of Arts

This major is for students interested in an interdisciplinary science education that prepares them to deal with environmental challenges. The basic natural resources of land, air, and water are studied in the context of protecting and sustaining the environment. Students become knowledgeable about environmental issues and applied environmental science. The environmental science curriculum draws courses predominantly from the disciplines of the Division of Science and Mathematics.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students are encouraged to fulfill distribution requirements with courses that complement the environmental science major (e.g., ECON 1111 - Microeconomics, ECON 3007 - Environmental and Natural Resource Economics I, and ECON 3008 - Environmental and Natural Resource Economics II).

Selection of electives must be done in consultation with an environmental science adviser. By the beginning of their junior year, students should submit a clearly articulated educational plan and a list of selected electives, to be reviewed and approved by the Environmental Science Advisory Group.

Courses in the Division of Science and Math. other than those listed below, may be used to fulfill the "Elective Science Courses" with the prior approval of the Environmental Science Advisory Group.

Required courses may not be taken S-N unless offered S-N only.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements. A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of F are included in GPA calculation until they are replaced.

Required Courses
Basic Sciences
- CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
- CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
- MATH 1101 - Calculus I [M/SR] (5.0 cr)
  or MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
- PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
  or PHYS 1091 - Principles of Physics I [SCI-L] (5.0 cr)
- STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Applied Sciences
BIOL 3131 - Ecology [SCI-L] (4.0 cr)
GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
GEOL 2161 - GIS and Remote Sensing [SCI] (4.0 cr)
GEOL 3501 - Hydrology [SCI] (4.0 cr)
ENST 1101 - Environmental Problems and Policy [ENVT] (4.0 cr)
ESCI 4901 - Environmental Science Senior Seminar I (1.0 cr)
ESCI 4902 - Environmental Science Senior Seminar II (1.0 cr)
ENST 2101 - Environmental Biology [SCI-L] (4.0 cr)
  or BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI] (3.0 cr)
  BIOL 2101 - Evolution of Biodiversity [SCI-L] (4.0 cr)

Required Practicum
Completion of an applied educational experience in environmental science. An approved educational experience in a work, research, and/or field setting that provides a practical complement to the student's classroom learning experiences. Educational experiences are approved by the Environmental Science Advisory Group. A wide variety of experiences are possible, ESCI 3196 - Environmental Science Field Camp is one example.

ESCI 3196 - Environmental Science Field Camp [SCI] (2.0 - 4.0 cr)
or Completion of an applied educational experience in environmental science.

Elective Science Courses
Courses from at least two disciplines must be included. No more than 8 credits from 2xxx courses may be used to meet this requirement. If a second major is sought in the Division Science and Mathematics, at least 12 elective credits for the environmental science major must come from a discipline outside the second major (e.g., a geology major cannot apply more than 8 GEOL elective credits toward the environmental science major).

Take 20 or more credit(s) from the following:
• BIOL 4121 - Herpetology (4.0 cr)
• BIOL 4131 - Vertebrate Natural History (4.0 cr)
• BIOL 4151 - Entomology (4.0 cr)
• BIOL 4172 - Plant Systematics (4.0 cr)
• BIOL 4191 - Freshwater Biology (4.0 cr)
• BIOL 4301 - Plant Biology (4.0 cr)
• BIOL 4332 - Ecology of Agriculture and Forestry [ENVT] (4.0 cr)
• BIOL 4333 - Biogeochemistry and Global Change (4.0 cr)
• BIOL 4351 - Conservation Biology (4.0 cr)
• CHEM 2301 - Organic Chemistry I [SCI] (4.0 cr)
• CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
• CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)
• CHEM 3101 - Analytical Chemistry [SCI-L] (4.0 cr)
• CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
• CHEM 3501 - Physical Chemistry I [SCI] (4.0 cr)
• ESCI 3111 - Evolution of the Minnesota Prairie [SCI-L] (4.0 cr)
• ESCI 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
• GEOL 2001 - Natural and Unnatural Geologic Hazards [ENVT] (4.0 cr)
• GEOL 2121 - Sedimentology and Stratigraphy [SCI-L] (4.0 cr)
• GEOL 2131 - Geomorphology [SCI] (4.0 cr)
• GEOL 2141 - Glacial and Quaternary Geology [SCI] (4.0 cr)
• GEOL 3111 - Introduction to Paleontology [SCI-L] (4.0 cr)
• GEOL 3502 - Groundwater [ENVT] (4.0 cr)
• PHYS 2301 - Atmospheric Physics [ENVT] (4.0 cr)
• STAT 4601 - Biostatistics (4.0 cr)
• ESCI 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
  or CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
Morris Campus
Geology B.A.
Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 60
- This program requires summer terms.
- Degree: Bachelor of Arts

Geology offers courses that satisfy a variety of requirements, as well as a curriculum leading to a bachelor of arts degree in geology.

Objectives--The geology curriculum serves those interested in a broader knowledge of their natural environment and the geological sciences as part of their liberal arts education; provides a firm foundation in geology, related sciences, and mathematics for students interested in the investigation and solution of geologic problems; prepares students for graduate study in the geosciences and related areas; provides the necessary background in earth science for those who plan to teach in this field at the secondary level; and serves those in other professional or interdisciplinary programs who need geology as a related subject.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Up to 8 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N unless offered S-N only. A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Students intending to pursue graduate studies in the geological sciences should take CSCI 1301, GEOL 2151, MATH 1102, and PHYS 1101.

Required Courses
- CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
- CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
- GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
- GEOL 2101 - Mineralogy and Crystallography [SCI-L] (4.0 cr)
- GEOL 2111 - Igneous and Metamorphic Petrology [SCI-L] (4.0 cr)
- GEOL 2121 - Sedimentology and Stratigraphy [SCI-L] (4.0 cr)
- GEOL 3101 - Structural Geology [SCI-L] (4.0 cr)
- GEOL 4901 - Geology Senior Seminar (1.0 cr)
- GEOL 4902 - Geology Senior Seminar Presentations (1.0 cr)
- MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
or MATH 1101 - Calculus I [M/SR] (5.0 cr)
- Completion of approved Geology Field Camp (6 cr)

Elective Courses
Take 10 or more credit(s) from the following:
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 2131</td>
<td>Geomorphology [SCI] (4.0 cr)</td>
<td></td>
</tr>
<tr>
<td>GEOL 2141</td>
<td>Glacial and Quaternary Geology [SCI] (4.0 cr)</td>
<td></td>
</tr>
<tr>
<td>GEOL 2161</td>
<td>GIS and Remote Sensing [SCI] (4.0 cr)</td>
<td></td>
</tr>
<tr>
<td>GEOL 3001</td>
<td>Global Tectonics [SCI] (4.0 cr)</td>
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</tr>
<tr>
<td>GEOL 3111</td>
<td>Introduction to Paleontology [SCI-L] (4.0 cr)</td>
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<tr>
<td>GEOL 3401</td>
<td>Geophysics [SCI] (4.0 cr)</td>
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<tr>
<td>GEOL 3501</td>
<td>Hydrology [SCI] (4.0 cr)</td>
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<tr>
<td>GEOL 4130</td>
<td>Advanced Geomorphology (4.0 cr)</td>
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<tr>
<td>GEOL 4140</td>
<td>Advanced Glacial and Quaternary Geology (4.0 cr)</td>
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<tr>
<td>GEOL 3993</td>
<td>Directed Study (1.0 - 5.0 cr)</td>
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<tr>
<td>GEOL 4993</td>
<td>Directed Study (1.0 - 5.0 cr)</td>
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</tbody>
</table>

**Recommended for graduate studies:**

- GEOL 2151 - Historical Geology: Earth History and Changing Scientific Perspectives [SCI-L] (4.0 cr)

**Additional Electives**

Courses must be chosen in consultation with a geology adviser.

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

- BIOL 1xxx
- BIOL 2xxx
- BIOL 3xxx
- BIOL 4xxx
- CHEM 1xxx
- CHEM 2xxx
- CHEM 3xxx
- CHEM 4xxx
- CSCI 1xxx
- CSCI 2xxx
- CSCI 3xxx
- CSCI 4xxx
- MATH 1xxx
- MATH 2xxx
- MATH 3xxx
- MATH 4xxx
- NSCI 1xxx
- NSCI 2xxx
- NSCI 3xxx
- NSCI 4xxx
- PHYS 1xxx
- PHYS 2xxx
- PHYS 3xxx
- PHYS 4xxx
- STAT 1xxx
- STAT 2xxx
- STAT 3xxx
- STAT 4xxx
- ESCI 2xxx
- ESCI 3xxx
Morris Campus
Geology Minor
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 32

Objectives--The geology curriculum serves those interested in broadening their knowledge of the natural environment and the geological sciences as part of their liberal arts education. It provides a firm foundation in geology, related sciences, and mathematics for students interested in the investigation and solution of geologic problems, provides background in earth science for those who plan to teach in this field at the secondary level, and serves those in other professional or interdisciplinary programs who need geology as a related subject.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Up to 8 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits earning a grade of A or B. The GPA in these courses must be at least 2.00.

Minor Required Courses
GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
GEOL 2101 - Mineralogy and Crystallography [SCI-L] (4.0 cr)
GEOL 2111 - Igneous and Metamorphic Petrology [SCI-L] (4.0 cr)
GEOL 2121 - Sedimentology and Stratigraphy [SCI-L] (4.0 cr)
CHEM 1101 - General Chemistry I [SCI-L] (4.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (4.0 cr)

Elective Courses
Take 8 or more credit(s) from the following:
- GEOL 2131 - Geomorphology [SCI] (4.0 cr)
- GEOL 2141 - Glacial and Quaternary Geology [SCI] (4.0 cr)
- GEOL 2151 - Historical Geology: Earth History and Changing Scientific Perspectives [SCI-L] (4.0 cr)
- GEOL 2161 - GIS and Remote Sensing [SCI] (4.0 cr)
- GEOL 3001 - Global Tectonics [SCI] (4.0 cr)
- GEOL 3101 - Structural Geology [SCI-L] (4.0 cr)
- GEOL 3111 - Introduction to Paleontology [SCI-L] (4.0 cr)
- GEOL 3401 - Geophysics [SCI] (4.0 cr)
- GEOL 3501 - Hydrology [SCI] (4.0 cr)
- GEOL 4130 - Advanced Geomorphology (4.0 cr)
- GEOL 4140 - Advanced Glacial and Quaternary Geology (4.0 cr)

Take at most 3 credit(s) from the following:
- GEOL 1993 - Directed Study (1.0 - 5.0 cr)
- GEOL 2993 - Directed Study (1.0 - 5.0 cr)
- GEOL 3993 - Directed Study (1.0 - 5.0 cr)
- GEOL 4993 - Directed Study (1.0 - 5.0 cr)
Morris Campus
Mathematics B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 52
- Degree: Bachelor of Arts

Objectives--The mission of the discipline is to advance knowledge of mathematics by teaching mathematics and its processes, by research in mathematics and mathematical pedagogy, and by dissemination of this knowledge to students and the community we serve.

Historically, the study of mathematics has been central to a liberal arts education. The mathematics curriculum serves as an integral part of students' active pursuit of a liberal arts education. The mathematics program serves students who major or minor in mathematics, seek secondary mathematics teaching licensure, major or minor in programs that require a mathematical background, or wish to fulfill components of a general education.

The mathematics curriculum is designed to help students develop competence in problem-solving, mathematical techniques and methods; to sharpen students' mathematical intuition and abstract reasoning, as well as their quantitative literacy. The curriculum is also designed to encourage and stimulate the type of independent and critical thinking required for research beyond the confines of the textbook. It provide students with the basic knowledge and skills to make mathematical contributions to modern society. The mathematics program enables students to do in-depth and independent mathematics-related research projects that require students to integrate their mathematical knowledge from different areas, and to enhance their communication skills by way of written reports and oral presentations. The program seeks to enable students to observe and communicate how the development of mathematics has been part of historical and current cultural and scientific developments. The curriculum prepares students to enter graduate school, pursue careers in applied mathematics, or teach mathematics.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced. Courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of B- or above in courses at or above 2xxx. Exceptions to requirements may be granted on an individual basis, after consulting with the math faculty.

 Majors should begin with MATH 1012 - PreCalculus I or MATH 1013 - PreCalculus II or MATH 1101 - Calculus I. Students with questions about placement are encouraged to discuss them with members of the mathematics faculty.

Recommended electives for students planning to pursue graduate work in pure mathematics:
MATH 4201 - Complex Analysis
MATH 4211 - Real Analysis
MATH 4221 - Topology
MATH 4231 - Abstract Algebra II
MATH 4241 - Number Theory
MATH 4252 - Differential Geometry
MATH 4253 - Combinatorics

Recommended electives for students planning to work or pursue graduate work in applied mathematics or related fields:
MATH 2401 - Differential Equations
MATH 3401 - Operations Research
MATH 3411 - Discrete and Combinatorial Mathematics
MATH 4401 - Numerical Methods With Applications in Mathematical Modeling
MATH 4452 - Mathematical Modeling

Residency Requirement
Students must complete a minimum of three 3xxx or higher math courses at UMM.

Required Courses
MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
MATH 2101 - Calculus III [M/SR] (4.0 cr)
MATH 2111 - Linear Algebra [M/SR] (4.0 cr)
MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
MATH 3221 - Real Analysis I (4.0 cr)
MATH 3231 - Abstract Algebra I (4.0 cr)
MATH 4901 - Senior Seminar (2.0 cr)

Take 1 or more course(s) from the following:
• MATH 2401 - Differential Equations [M/SR] (4.0 cr)
• MATH 3401 - Operations Research (4.0 cr)
• MATH 3411 - Discrete and Combinatorial Mathematics (4.0 cr)
• MATH 4401 - Numerical Methods with Applications in Mathematical Modeling (4.0 cr)
• MATH 4452 - Mathematical Modeling (4.0 cr)

Take 4 or more credit(s) from the following:
• MATH 2xxx
• MATH 3xxx
• MATH 4xxx

Take 1 or more course(s) from the following:
• CSCI 1201 - Introduction to Digital Media Computation [M/SR] (4.0 cr)
• CSCI 1301 - Problem Solving and Algorithm Development [M/SR] (4.0 cr)

Take 1 or more course(s) from the following:
• STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
• STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

Mathematical Applications Course
Take 1 or more course(s) from the following:
• CHEM 3501 - Physical Chemistry I [SCI] (4.0 cr)
• CSCI 2101 - Data Structures [M/SR] (5.0 cr)
• CSCI 3402 - Computing Systems: Concepts (3.0 cr)
• CSCI 3501 - Algorithms and Computability [M/SR] (5.0 cr)
• CSCI 3601 - Software Design and Development [M/SR] (5.0 cr)
• ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
• ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
• ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
• ECON 4111 - Mathematical Economics I (2.0 cr)
• ECON 4112 - Mathematical Economics II (2.0 cr)
• GEOL 3401 - Geophysics [SCI] (4.0 cr)
• GEOL 3501 - Hydrology [SCI] (4.0 cr)
• MATH 3501 - Applied Deterministic Modeling for Management Science (2.0 cr)
• MATH 3502 - Applied Probabilistic Modeling for Management Science (2.0 cr)
• PHIL 2101 - Introduction to Symbolic Logic [M/SR] (4.0 cr)
• PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
• PHYS 1102 - General Physics II [SCI-L] (5.0 cr)
• PHYS 2101 - Modern Physics [SCI-L] (4.0 cr)
• PHYS 2401 - Optics [SCI-L] (4.0 cr)
• PHYS 3101 - Classical Mechanics [SCI] (4.0 cr)
• PHYS 4101 - Electromagnetism (4.0 cr)
• PHYS 4201 - Quantum Mechanics (4.0 cr)
• STAT 3601 - Data Analysis [M/SR] (4.0 cr)
• STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)
• STAT 4601 - Biostatistics (4.0 cr)
Morris Campus
Mathematics Minor
Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 26

The mission of the discipline is to advance knowledge of mathematics by teaching mathematics and its processes, by research in mathematics and mathematical pedagogy, and by dissemination of this knowledge to students and the community we serve.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Courses may not be taken S-N unless offered S-N only. Up to 5 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of B- or above in courses at or above the 2XXX level.

The GPA in these courses must be at least 2.00.

Required Courses
- MATH 1101 - Calculus I [M/SR] (5.0 cr)
- MATH 1102 - Calculus II [M/SR] (5.0 cr)
- MATH 2111 - Linear Algebra [M/SR] (4.0 cr)

Elective Courses
Take 12 or more credit(s) from the following:
- MATH 2101 - Calculus III [M/SR] (4.0 cr)
- MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
- MATH 2211 - History of Mathematics (4.0 cr)
- MATH 2401 - Differential Equations [M/SR] (4.0 cr)
- MATH 2501 - Probability and Stochastic Processes [M/SR] (4.0 cr)
- MATH 3211 - Geometry [M/SR] (4.0 cr)
- MATH 3221 - Real Analysis I (4.0 cr)
- MATH 3231 - Abstract Algebra I (4.0 cr)
- MATH 3401 - Operations Research (4.0 cr)
- MATH 3411 - Discrete and Combinatorial Mathematics (4.0 cr)
- MATH 3501 - Applied Deterministic Modeling for Management Science (2.0 cr)
- MATH 3502 - Applied Probabilistic Modeling for Management Science (2.0 cr)
- MATH 4201 - Complex Analysis (2.0 cr)
- MATH 4211 - Real Analysis II (2.0 cr)
- MATH 4221 - Topology (2.0 cr)
- MATH 4231 - Abstract Algebra II (2.0 cr)
- MATH 4241 - Number Theory (2.0 cr)
- MATH 4252 - Differential Geometry (2.0 cr)
- MATH 4253 - Combinatorics (2.0 cr)
- MATH 4401 - Numerical Methods with Applications in Mathematical Modeling (4.0 cr)
- MATH 4452 - Mathematical Modeling (4.0 cr)
- One of the courses below can be chosen to fulfill 4 elective credits for the math minor
  - STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
  - or STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

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Information current as of December 18, 2014
Morris Campus
Physics B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 58
- Degree: Bachelor of Arts

Objectives--The physics program is designed to help students understand the concepts of classical and modern physics while also developing their ability to solve quantitative problems in these areas. It provides the opportunity for students to acquire the skills necessary to perform experimental work. The program develops students' ability to communicate, in form and content, both orally and in writing, the results of scientific work.

The physics program offers a background suitable for students planning to pursue graduate study or careers in industry, research, or teaching. It also provides a solid foundation for any career requiring analytical reasoning.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Courses may not be taken S-N. A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of F are included in GPA calculation until they are replaced. No grades below C- are allowed.

Required Courses
- MATH 1101 - Calculus I [M/SR] (5.0 cr)
- MATH 1102 - Calculus II [M/SR] (5.0 cr)
- MATH 2101 - Calculus III [M/SR] (4.0 cr)
- MATH 2401 - Differential Equations [M/SR] (4.0 cr)
- PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
- PHYS 1102 - General Physics II [SCI-L] (5.0 cr)
- PHYS 2101 - Modern Physics [SCI-L] (4.0 cr)
- PHYS 3101 - Classical Mechanics [SCI] (4.0 cr)
- PHYS 4101 - Electromagnetism (4.0 cr)
- PHYS 4201 - Quantum Mechanics (4.0 cr)
- PHYS 4901 - Senior Thesis I (1.0 cr)
- PHYS 4902 - Senior Thesis II (1.0 cr)

Elective Courses
- Take 12 or more credit(s) from the following:
  Group 1 Electives
  Take 6 or more credit(s) from the following:
  - PHYS 3003 - Computer Modeling of Materials [SCI] (2.0 cr)
  - PHYS 3151 - Solid State Physics (2.0 cr)
  - PHYS 3152 - Particle and Nuclear Physics (2.0 cr)
  - PHYS 3153 - Cosmology (2.0 cr)
• PHYS 3401 - Experimental Physics [SCI-L] (4.0 cr)
• PHYS 3501 - Statistical Physics [SCI] (4.0 cr)

• **Group 2 Electives**
  Take 0 or more credit(s) from the following:
• PHYS 2201 - Circuits and Electronic Devices [SCI-L] (4.0 cr)
• PHYS 2301 - Atmospheric Physics [ENVT] (4.0 cr)
• PHYS 2401 - Optics [SCI-L] (4.0 cr)
• PHYS 3993 - Directed Study (1.0 - 5.0 cr)
• PHYS 4993 - Directed Study (1.0 - 5.0 cr)
Morris Campus
Physics Minor
Division of Science & Mathematics - Adm

Program Type: Undergraduate minor related to major
Requirements for this program are current for Fall 2015
Required credits in this minor: 33

Objectives--The physics program is designed to help students understand the concepts of classical and modern physics while also developing their ability to solve quantitative problems in these areas. It provides the opportunity for students to acquire the skills necessary to perform experimental work, and develops students' ability to communicate, in form and content, both orally and in writing, the results of scientific work.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
Courses may not be taken S-N. The GPA in these courses must be at least 2.00. Courses with a grade lower than C- may not be used to meet the minor requirements.

Minor Requirements
PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
PHYS 1102 - General Physics II [SCI-L] (5.0 cr)
PHYS 2101 - Modern Physics [SCI-L] (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
MATH 2101 - Calculus III [M/SR] (4.0 cr)

Elective Courses
Take 4 or more credit(s) from the following:
• PHYS 2201 - Circuits and Electronic Devices [SCI-L] (4.0 cr)
• PHYS 2301 - Atmospheric Physics [ENVT] (4.0 cr)
• PHYS 2401 - Optics [SCI-L] (4.0 cr)
• PHYS 2993 - Directed Study (1.0 - 5.0 cr)
• PHYS 3101 - Classical Mechanics [SCI] (4.0 cr)
• PHYS 3401 - Experimental Physics [SCI-L] (4.0 cr)
• PHYS 3501 - Statistical Physics [SCI] (4.0 cr)
• PHYS 3993 - Directed Study (1.0 - 5.0 cr)
• PHYS 4101 - Electromagnetism (4.0 cr)
• PHYS 4201 - Quantum Mechanics (4.0 cr)
• PHYS 4993 - Directed Study (1.0 - 5.0 cr)
• PHYS 3151 - Solid State Physics (2.0 cr)
• PHYS 3152 - Particle and Nuclear Physics (2.0 cr)
• PHYS 3153 - Cosmology (2.0 cr)
Morris Campus
Statistics B.A.
Division of Science & Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 39
- Degree: Bachelor of Arts

The mission of the discipline is to create and apply statistical methods/techniques for collecting, exploring, analyzing, and communicating qualitative/quantitative information and to disseminate this knowledge through teaching, scholarly activity, and outreach.

Statistics is the science and art of enhancing knowledge in the face of uncertainty by modeling, predictions, and decisions. It is central to solutions of problems in the environment, medicine, law, industry, technology, finance, business, public policy, computing, and science in general. The need for statistics applies to almost every area of our lives.

Objectives—The statistics program provides an effective operational knowledge of the theory and methods of statistics and the application of statistical methods in a liberal arts environment. It seeks to enhance students’ critical thinking in making judgments based on data and provides students with the basic knowledge and skills to make contributions to modern society. Students learn to communicate and collaborate effectively with people in other fields and, in the process, to understand the substance of these fields. The curriculum prepares students to enter graduate school or pursue careers in statistical fields at research institutions and in the industry.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

The GPA in these courses must be at least 2.00. Courses may not be taken S-N, unless offered S-N only.

Students planning to pursue graduate work in statistics or biostatistics should complete MATH 2101--Calculus III and consider taking MATH 2202--Mathematical Perspectives and MATH 3211--Analysis for Ph.D. preparation.

Required Courses
- MATH 1101 - Calculus I [M/SR] (5.0 cr)
- MATH 1102 - Calculus II [M/SR] (5.0 cr)
- STAT 2501 - Probability and Stochastic Processes [M/SR] (4.0 cr)
- STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)
- STAT 3601 - Data Analysis [M/SR] (4.0 cr)
- STAT 4901 - Senior Seminar (1.0 cr)
- MATH 1601 - Introduction to Statistics [M/SR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Elective Courses
- Take 8 or more credit(s) from the following:
  • STAT 1993 - Directed Study (1.0 - 5.0 cr)
  • STAT 2701 - Introduction to Data Science [M/SR] (4.0 cr)
  • STAT 2993 - Directed Study (1.0 - 5.0 cr)
Additional Elective Courses

Choose from the list below or from courses with faculty approval.
Take 4 or more credit(s) from the following:

- STAT 3501 - Survey Sampling [M/SR] (4.0 cr)
- STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)
- STAT 3993 - Directed Study (1.0 - 5.0 cr)
- STAT 4601 - Biostatistics (4.0 cr)
- STAT 4611 - Statistical Consulting (4.0 cr)
- STAT 4631 - Design and Analysis of Experiments (4.0 cr)
- STAT 4651 - Applied Nonparametric Statistics (4.0 cr)
- STAT 4671 - Statistical Computing (4.0 cr)
- STAT 4681 - Introduction to Time Series Analysis (4.0 cr)
- STAT 4993 - Directed Study (1.0 - 5.0 cr)

- CSCI 1201 - Introduction to Digital Media Computation [M/SR] (4.0 cr)
- CSCI 1251 - Computational Data Management and Manipulation [M/SR] (4.0 cr)
- CSCI 1301 - Problem Solving and Algorithm Development [M/SR] (4.0 cr)
- CSCI 1302 - Foundations of Computer Science [M/SR] (4.0 cr)
- CSCI 4403 - Systems: Data Mining (2.0 cr)
- CSCI 4458 - Systems: Bioinformatic Systems (4.0 cr)
- CSCI 4555 - Theory: Neural Networks and Machine Learning (4.0 cr)
- ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
- MATH 2101 - Calculus III [M/SR] (4.0 cr)
- MATH 2111 - Linear Algebra [M/SR] (4.0 cr)
- MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
- MATH 3221 - Real Analysis I (4.0 cr)
- MATH 3401 - Operations Research (4.0 cr)
- MATH 3501 - Applied Deterministic Modeling for Management Science (2.0 cr)
- MATH 3502 - Applied Probabilistic Modeling for Management Science (2.0 cr)
- POL 2001 - Political Science Research Methods [SS] (4.0 cr)
- PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)
- SOC 3103 - Research Methodology in Sociology (4.0 cr)
- SOC 3131 - World Population [ENVT] (4.0 cr)
Morris Campus
Statistics Minor
Division of Science & Mathematics - Adm

Division of Science and Mathematics

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2015
• Required credits in this minor: 24

Objectives--The statistics program provides an effective operational knowledge of the theory and methods of statistics and the application of statistical methods in a liberal arts environment. It seeks to enhance students' critical thinking in making judgments based on data and provides them with the basic knowledge and skills necessary to make contributions to modern society. Students learn to communicate and collaborate effectively with people in other fields and, in the process, understand the substance of these fields. The curriculum prepares students to enter graduate school or pursue careers in statistical fields at research institutions and industry.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
The GPA in these courses must be at least 2.00.

Minor Requirements
STAT 3601 - Data Analysis [M/SR] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Minor Elective Courses
Take 16 or more credit(s) from the following:
Stat courses
Take 1 or more course(s) from the following:
• STAT 1993 - Directed Study (1.0 - 5.0 cr)
• STAT 2501 - Probability and Stochastic Processes [M/SR] (4.0 cr)
• STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)
• STAT 2701 - Introduction to Data Science [M/SR] (4.0 cr)
• STAT 2993 - Directed Study (1.0 - 5.0 cr)
• STAT 3501 - Survey Sampling [M/SR] (4.0 cr)
• STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)
• STAT 3993 - Directed Study (1.0 - 5.0 cr)
• STAT 4601 - Biostatistics (4.0 cr)
• STAT 4611 - Statistical Consulting (4.0 cr)
• STAT 4631 - Design and Analysis of Experiments (4.0 cr)
• STAT 4651 - Applied Nonparametric Statistics (4.0 cr)
• STAT 4671 - Statistical Computing (4.0 cr)
• STAT 4681 - Introduction to Time Series Analysis (4.0 cr)
• STAT 4993 - Directed Study (1.0 - 5.0 cr)

• Non-stat courses
Take 0 or more course(s) from the following:
• CSCI 1201 - Introduction to Digital Media Computation [M/SR] (4.0 cr)
• CSCI 1251 - Computational Data Management and Manipulation [M/SR] (4.0 cr)
• CSCI 1301 - Problem Solving and Algorithm Development [M/SR] (4.0 cr)
• CSCI 1302 - Foundations of Computer Science [M/SR] (4.0 cr)
• CSCI 4403 - Systems: Data Mining (2.0 cr)
• CSCI 4458 - Systems: Bioinformatic Systems (4.0 cr)
• CSCI 4555 - Theory: Neural Networks and Machine Learning (4.0 cr)
• ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
• MATH 2101 - Calculus III [M/SR] (4.0 cr)
• MATH 2111 - Linear Algebra [M/SR] (4.0 cr)
• MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
- MATH 3221 - Real Analysis I (4.0 cr)
- MATH 3401 - Operations Research (4.0 cr)
- MATH 3501 - Applied Deterministic Modeling for Management Science (2.0 cr)
- MATH 3502 - Applied Probabilistic Modeling for Management Science (2.0 cr)
Morris Campus
Anthropology B.A.
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 37
- Degree: Bachelor of Arts

The anthropology curriculum, with support from sociology courses, focuses on providing a comparative understanding of the range of human cultures and societies throughout the world in both humanistic and social scientific terms. Anthropology applies this understanding to problems faced by different groups of people in the flux of the modern world. Courses meet the needs of liberal arts students and students planning to pursue anthropology at the graduate level.

Program Student Learning Outcomes:
1. Increased Multicultural Competency
   Awareness of one's own cultural filters, ability to think comparatively across sociocultural contexts, and to apply a culturally relative perspective regarding cultural diversity
2. Applications of Anthropological Perspectives
   Development of an anthropological sensibility that enables one to distill social meaning from everyday encounters with individuals, material objects, texts, and other social phenomena, with reference to both past and present human biological, ethnic, and cultural variation; ability to articulate anthropological insights into contemporary issues, and to apply them to the workplace and contemporary world
3. Research Methods and Theories
   Familiarity with anthropological literature and qualitative and quantitative data in at least one of the subdisciplines of anthropology; ability to develop an original research project, and to conduct ethnographic or archaeological field work using appropriate methods; effective communication of anthropological data and/or fieldwork
4. Ethical Principles
   Understanding of ethical principles relative to the conduct of anthropological research and processes, and the application of research findings
5. Understanding Human Variation
   Achievement of a holistic knowledge of the discipline as a whole, and ability to articulate in a knowledgeable way the central ideas from the subdisciplines of cultural anthropology, biological anthropology, and archaeology; understanding and appreciation of contemporary ethnic/cultural variation, bio-cultural systems, and modern biological diversity

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students develop a coherent program of study in consultation with their major adviser generally no later than the spring semester of their sophomore year.

Up to four credits of D+ or D may be used to meet the major requirements if offset by a sufficient number of higher grades to meet the minimum requirement of a cumulative GPA of 2.00 in all courses in the major. Courses may not be taken S-N unless offered S-N only.

The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.
Required Courses
- ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
- ANTH 2101 - Biological Anthropology [SCI-L] (5.0 cr)
- ANTH 2103 - Archaeology [SS] (4.0 cr)
- ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
- ANTH 4901 - Seminar in Anthropological Theory (4.0 cr)

Elective Courses
An additional 16 credits in anthropology and sociology courses, 12 of which must be in courses 3xxx or above. No more than 8 credits can be from SOC courses. No more than 4 credits can be from IS 3796.
Take at most 4 credit(s) from the following:
- ANTH 1812 - Human Societies: Past and Present, Fact and Fiction [IC] (4.0 cr)
- ANTH 1813 - Culture on TV: An Introduction to Anthropology [IC] (2.0 cr)
- ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
- ANTH 2204 - Anthropology of Education: Learning and Schooling in Ethnographic Perspective [SS] (4.0 cr)
- ANTH 2206 - Sex, Marriage, and Family [HDIV] (4.0 cr)
- ANTH 2xxx
- SOC 1101 - Introductory Sociology [SS] (4.0 cr)
- SOC 1811 - Global Sociology: Migration, Economic Globalization, Class, and Gender Inequality [IC] (2.0 cr)
- SOC 1812 - Human Rights in the Age of Globalization [IC] (2.0 cr)
- SOC 1813 - Political Economy of "Natural" Disaster [IC] (2.0 cr)
- SOC 1814 - Water Unites, Water Divides: Sharing Water in the 21st Century [IC] (2.0 cr)
- SOC 1xxx
- SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
- SOC 2xxx
Take 12 or more credit(s) from the following:
- ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
- ANTH 3455 - North American Archaeology (4.0 cr)
- ANTH 3502 - Latinos in the Midwest [SS] (4.0 cr)
- ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
- ANTH 3602 - Women in Latin America [IP] (4.0 cr)
- ANTH 3603 - Latin American Archaeology (4.0 cr)
- ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
- ANTH 3704 - Anthropological Genetics (4.0 cr)
- ANTH 3xxx
- ANTH 4501 - Archaeological Fieldschool [SS] (4.0 cr)
- ANTH 4xxx
- IS 3796 - Interdisciplinary Internship in the Helping Professions (1.0 - 16.0 cr)
- SOC 3103 - Research Methodology in Sociology (4.0 cr)
- SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
- SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
- SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
- SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
- SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
- SOC 3124 - Sociology of Law (4.0 cr)
- SOC 3125 - Terrorism, Law, and the State [SS] (4.0 cr)
- SOC 3131 - World Population [ENVT] (4.0 cr)
- SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
- SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- SOC 3251 - African Americans [HDIV] (4.0 cr)
- SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
- SOC 3403 - Sociological Theory (4.0 cr)
- SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
- SOC 3602 - Women in Latin America [IP] (4.0 cr)
- SOC 3xxx
- SOC 4xxx
Morris Campus
Anthropology Minor
Division of Social Sciences - Adm

Program Type: Undergraduate minor related to major
Requirements for this program are current for Fall 2015
Required credits in this minor: 24

The anthropology curriculum, with support from sociology courses, focuses on providing a comparative understanding of the range of human cultures and societies throughout the world in both humanistic and social scientific terms. Anthropology applies this understanding to problems faced by different groups of people in the flux of the modern world. Courses meet the needs of liberal arts students and students planning to pursue anthropology at the graduate level.

Objectives—Anthropology courses are designed to provide an understanding of human beings and human society with respect to both biology and culture. Students are exposed to a broad historical and comparative framework within which to view the variety of human cultures. Course work deals with concepts, techniques, and substantive knowledge of the branches of the field, e.g., physical anthropology, social and cultural anthropology, ethnology, archaeology, linguistics, and applied anthropology. (See Sociology for more information.)

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
Up to four credits of D+ or D may be used to meet the minor requirements if offset by a sufficient number of higher grades to meet the minimum cumulative GPA of 2.00 in all courses included in the minor. Courses may not be taken S-N unless offered S-N only.

The GPA includes all, and only, University of Minnesota course work. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
ANTH 2101 - Physical Anthropology [SCI-L] (4.0 cr)
ANTH 2103 - Archaeology [SS] (4.0 cr)
ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)

Elective Courses
An additional 8 credits in anthropology and sociology courses, 4 of which must be in courses 2xxx or above. No more than 4 credits can be from SOC courses.
Take at most 4 credit(s) from the following:
• ANTH 1811 - Contemporary Chinese Culture and Society [IC] (4.0 cr)
• ANTH 1812 - Human Societies: Past and Present, Fact and Fiction [IC] (4.0 cr)
• ANTH 1xxx
• ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
• ANTH 2604 - China in the Era of Globalization [IP] (4.0 cr)
• ANTH 2605 - Anthropology of Globalization [SS] (4.0 cr)
• ANTH 2xxx
• SOC 1101 - Introductory Sociology [SS] (4.0 cr)
• SOC 1811 - Global Sociology: Migration, Economic Globalization, Class, and Gender Inequality [IC] (2.0 cr)
• SOC 1812 - Human Rights in the Age of Globalization [IC] (2.0 cr)
• SOC 1813 - Political Economy of "Natural" Disaster [IC] (2.0 cr)
• SOC 1xxx
Take 4 or more credit(s) from the following:
• AMIN 3452 - American Indian Women [HDIV] (4.0 cr)
• ANTH 3204 - Culture, Food, and Agriculture [ENV] (4.0 cr)
• ANTH 3206 - Ecological Anthropology [ENV] (4.0 cr)
• ANTH 3352 - Representation and Power in Contemporary China [SS] (4.0 cr)
• ANTH 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
• ANTH 3455 - North American Archaeology [SS] (4.0 cr)
• ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• ANTH 3602 - Women in Latin America [IP] (4.0 cr)
• ANTH 3603 - Latin American Archaeology [SS] (4.0 cr)
• ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
• ANTH 3xxx
• ANTH 4501 - Archaeological Fieldschool [SS] (4.0 cr)
• ANTH 4xxx
• HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 2xxx
• SOC 3103 - Research Methodology in Sociology [SS] (4.0 cr)
• SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• SOC 3251 - African Americans [HDIV] (4.0 cr)
• SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
• SOC 3403 - Sociological Theory [SS] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SOC 3xxx
• SOC 4xxx
Morris Campus
Economics B.A.
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 47
- Degree: Bachelor of Arts

Objectives--The economics curriculum is designed to ensure that students

* understand the nature and functioning of the market system;
* are able to define criteria for assessing efficiency in the provision of goods and services;
* investigate and assess the operation of economic institutions;
* are able to evaluate alternative policies intended to enhance economic outcomes;
* develop competence in quantitative methods and computing methods;
* are able to conceptualize and analyze problems using the tools of economic theory, and communicate the results;
* are competent in oral and written communication; and
* are adequately prepared for graduate or professional school.

Program Delivery
This program is available:

- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Grades of D or D+ in ECON 1111-1112, MATH 1101, and STAT 1601 or 2601 may not be used to meet the major requirements.

Up to 4 credits of other economics coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B.

Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Students should complete the following during their first two years:
- ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
- ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
- MATH 1101 - Calculus I [M/SR] (5.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
    or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
Students should complete the following before their senior year:
ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)

4xxx Level Courses
Take 4 or more credit(s) from the following:
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ECON 4102 - Labor Economics II (2.0 cr)
• ECON 4111 - Mathematical Economics I (2.0 cr)
• ECON 4112 - Mathematical Economics II (2.0 cr)
• ECON 4121 - International Trade Theory (2.0 cr)
• ECON 4131 - International Finance (2.0 cr)
• ECON 4141 - Empirics of Economic Growth (2.0 cr)
• ECON 4501 - Senior Research Seminar in Economics and Management (2.0 cr)
• ECON 4993 - Directed Study (1.0 - 5.0 cr)

Elective Courses
No more than 4 credits from each of the following can be applied to the major:
ECON x993 - Directed Study
ECON 4501 - Senior Research Seminar in Economics and Management
Take 14 or more credit(s) from the following:
• ECON 3005 - Experimental and Behavioral Economics I [SS] (2.0 cr)
• ECON 3006 - Experimental and Behavioral Economics II [SS] (2.0 cr)
• ECON 3007 - Environmental and Natural Resource Economics I [ENVT] (2.0 cr)
• ECON 3008 - Environmental and Natural Resource Economics II [ENVT] (2.0 cr)
• ECON 3009 - Political Economy [SS] (4.0 cr)
• ECON 3011 - Cost-Benefit Analysis [ENVT] (4.0 cr)
• ECON 3014 - Game Theory: The Theory of Strategic Behavior I [SS] (2.0 cr)
• ECON 3015 - Game Theory: The Theory of Strategic Behavior II [SS] (2.0 cr)
• ECON 3013 - Money, Banking, and Financial Markets [SS] (4.0 cr)
• ECON 3121 - Public Economics I [SS] (2.0 cr)
• ECON 3122 - Public Economics II [SS] (2.0 cr)
• ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
• ECON 3133 - Economics of China [IP] (2.0 cr)
• ECON 3134 - Cooperative Business Model [SS] (2.0 cr)
• ECON 3141 - Economic Development and Growth I [IP] (2.0 cr)
• ECON 3142 - Economic Development and Growth II [IP] (2.0 cr)
• ECON 3153 - Contemporary Global Economic Issues [IP] (2.0 cr)
• ECON 3211 - History of Economic Thought I [HIST] (2.0 cr)
• ECON 3212 - History of Economic Thought II [HIST] (2.0 cr)
• ECON 3351 - Globalization: Examining India’s Social and Economic Development [IP] (4.0 cr)
• ECON 3993 - Directed Study (1.0 - 5.0 cr)
Morris Campus
Economics Minor
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 31

Objectives--The economics curriculum is designed to ensure that students

* understand the nature and functioning of the market system;
* are able to define criteria for assessing efficiency in the provision of goods and services;
* investigate and assess the operation of economic institutions;
* are able to evaluate alternative policies intended to enhance economic outcomes;
* develop competence in quantitative methods and computing methods;
* are able to conceptualize and analyze problems using the tools of economic theory, and communicate the results;
* are competent in oral and written communication; and
* are adequately prepared for graduate or professional school.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Grades of D or D+ in ECON 1111-1112, MATH 1101, and STAT 1601 or 2601 may not be used to meet minor requirements.

Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Elective Courses
No more than 4 credits from each of the following can be applied to the major:
ECON x993 - Directed Study
ECON 4501 - Senior Research Seminar in Economics and Management
Take 6 or more credit(s) from the following:
- ECON 3005 - Experimental and Behavioral Economics I [SS] (2.0 cr)
- ECON 3006 - Experimental and Behavioral Economics II [SS] (2.0 cr)
- ECON 3007 - Environmental and Natural Resource Economics I [ENVT] (2.0 cr)
- ECON 3008 - Environmental and Natural Resource Economics II [ENVT] (2.0 cr)
- ECON 3009 - Political Economy [SS] (4.0 cr)
- ECON 3011 - Cost-Benefit Analysis [ENVT] (4.0 cr)
• ECON 3014 - Game Theory: The Theory of Strategic Behavior I [SS] (2.0 cr)
• ECON 3015 - Game Theory: The Theory of Strategic Behavior II [SS] (2.0 cr)
• ECON 3113 - Money, Banking, and Financial Markets [SS] (4.0 cr)
• ECON 3121 - Public Economics I [SS] (2.0 cr)
• ECON 3122 - Public Economics II [SS] (2.0 cr)
• ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
• ECON 3133 - Economics of China [IP] (2.0 cr)
• ECON 3134 - Cooperative Business Model [SS] (2.0 cr)
• ECON 3141 - Economic Development and Growth I [IP] (2.0 cr)
• ECON 3142 - Economic Development and Growth II [IP] (2.0 cr)
• ECON 3153 - Contemporary Global Economic Issues [IP] (2.0 cr)
• ECON 3211 - History of Economic Thought I [HIST] (2.0 cr)
• ECON 3212 - History of Economic Thought II [HIST] (2.0 cr)
• ECON 3351 - Globalization: Examining India’s Social and Economic Development [IP] (4.0 cr)
• ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
• ECON 3993 - Directed Study (1.0 - 5.0 cr)
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ECON 4102 - Labor Economics II (2.0 cr)
• ECON 4111 - Mathematical Economics I (2.0 cr)
• ECON 4112 - Mathematical Economics II (2.0 cr)
• ECON 4121 - International Trade Theory (2.0 cr)
• ECON 4131 - International Finance (2.0 cr)
• ECON 4141 - Empirics of Economic Growth (2.0 cr)
• ECON 4501 - Senior Research Seminar in Economics and Management (2.0 cr)
• ECON 4993 - Directed Study (1.0 - 5.0 cr)
• ECON 4xxx
Morris Campus
Gender, Women, and Sexuality Studies B.A.
Division of Social Sciences - Adm

Program Type: Baccalaureate
Requirements for this program are current for Fall 2015
Required credits to graduate with this degree: 120
Required credits within the major: 40
Degree: Bachelor of Arts

This is an interdisciplinary program housed in the Division of the Social Sciences. The program is administered by the Gender, Women, and Sexuality Studies (GWSS) coordinator who is a faculty member of any of the four divisions.

Gender and sexuality are urgent contemporary issues that impact the culture, politics, and economics of American and international societies. Because such issues affect nearly every professional field and avenue of inquiry, GWSS students engage critically with theoretical and practical models from across the disciplines.

Objectives--To explore the implications and intersections of gender and sexuality across disciplinary, chronological, and geographical barriers. Through diverse methodologies and critical paradigms, students explore the impact of gender and sexuality in their own lives and in the world around them.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students interested in the major should meet with their adviser before the beginning of their junior year.

Students develop a coherent program of study in consultation with their adviser. In developing an elective plan, students are also strongly encouraged to consult with faculty who teach within the GWSS program.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Note: Some of the courses required for the major carry prerequisites.
ENGL 2031 - Gender in Literature and Culture [HDIV] (4.0 cr)
GWSS 1101 - Introduction to Gender, Women, and Sexuality Studies [HDIV] (4.0 cr)
GWSS 4901 - Gender, Women, and Sexuality Studies Capstone (1.0 cr)
SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)

Elective Requirements
Students must fill the remaining 27 credits with courses from the following lists. These courses must come from at least three different disciplines. A course not listed below may be applied to the elective requirement with the consent of the instructor and GWSS coordinator. With the approval of the GWSS coordinator, up to 8 credits can be supplied by internship experiences.
### Primarily Gender, Women, and Sexuality Content

Take 19 or more credit(s) from the following:

- ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
- ANTH 2206 - Sex, Marriage, and Family [HDIV] (4.0 cr)
- ANTH 3602 - Women in Latin America [IP] (4.0 cr)
- ARTH 3414 - Feminist Theory [HDIV] (4.0 cr)
- ENGL 3155 - 20th-Century British Fiction (4.0 cr)
- ENGL 3332 - African American Women Writers [HDIV] (4.0 cr)
- GWSS 3414 - Feminist Theory [HDIV] (4.0 cr)
- GER 3501 - Women's Issues in Contemporary German Culture [IP] (4.0 cr)
- GWSS 3001 - Troubling Genders in African Cinema [HUM] (4.0 cr)
- GWSS 3414 - Feminist Theory [HDIV] (4.0 cr)
- GWSS 3993 - Directed Study (1.0 - 5.0 cr)
- HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)
- HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
- HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
- PHIL 2141 - Analytic Feminism [HUM] (4.0 cr)
- POL 3303 - Feminist Political Theory [SS] (2.0 cr)
- PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
- PSY 3261 - Human Sexuality (4.0 cr)
- SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
- SOC 3602 - Women in Latin America [IP] (4.0 cr)
- SPAN 3654 - Seminar: Sex, Love, and Marriage in Golden Age Spanish Literature [HUM] (4.0 cr)
- SPAN 3688 - Seminar: Literature and Gender in Nineteenth-Century Spain [HUM] (4.0 cr)

### Partial Gender, Women, and Sexuality Content

Take at most 8 credit(s) from the following:

- ARTS 3014 - Media Studies: Fabric as Form [ART/P] (3.0 cr)
- ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
- ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)
- ENGL 3142 - The Rise of the Novel (4.0 cr)
- ENGL 3154 - 19th-Century British Fiction (4.0 cr)
- ENGL 3168 - Victorian Literature and Culture (4.0 cr)
- ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
- ENGL 3411 - Critical Approaches to Literature (4.0 cr)
- ENGL 3444 - Holocaust Literature and Film [IP] (4.0 cr)
- ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
- ENGL 4031 - Research Seminar: Renaissance Romance (4.0 cr)
- ENGL 4034 - Research Seminar: The Adventure Novel in American and British Literature (4.0 cr)
- FREN 1031 - Modern Studies: The Modern Body in France [SS] (4.0 cr)
- FREN 1302 - French Cinema [IP] (4.0 cr)
- FREN 1311 - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
- FREN 3603 - Francophone Studies: Contes francophones (2.0 cr)
- HIST 2103 - Medieval Europe [HIST] (4.0 cr)
- HIST 3008 - The Making of the Islamic World [HDIV] (4.0 cr)
- HIST 3207 - The Crusades [IP] (4.0 cr)
- PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)
- PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)
- PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
- SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
- SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
- SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
- SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
- SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
- SPAN 3685 - Seminar: Slavery and Abolition in Cuban Literature and Culture [IP] (4.0 cr)
- SPAN 3686 - Seminar: Writing History in Spanish American Literature [HUM] (4.0 cr)
- SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)
Morris Campus
Gender, Women, and Sexuality Studies Minor
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 24

This is an interdisciplinary program housed in the Division of the Social Sciences. The program is administered by the Gender, Women, and Sexuality Studies (GWSS) coordinator who is a faculty member of any of the four divisions.

Objectives--To explore the intersections of gender and sexuality across disciplinary, chronological, and geographical barriers. Through diverse methodologies and critical paradigms, students explore the impact of gender and sexuality in their own lives and in the world around them.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Students develop a coherent program of study in consultation with their adviser. In developing an elective plan, students are strongly encouraged to consult with faculty who teach within the GWSS program.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
GWSS 1101 - Introduction to Gender, Women, and Sexuality Studies [HDIV] (4.0 cr)

Elective Requirements
Students must fill the remaining 20 credits with courses from the following lists. These courses must come from at least three different disciplines. A course not listed below may be applied to the elective requirement with the consent of the instructor and GWSS coordinator.

Primarily Gender, Women, and Sexuality Content
Take 16 or more credit(s) from the following:
- ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
- ANTH 2208 - Sex, Marriage, and Family [HDIV] (4.0 cr)
- ANTH 3602 - Women in Latin America [IP] (4.0 cr)
- ARTH 3281 - Women and Art [FA] (4.0 cr)
- ENGL 2031 - Gender in Literature and Culture [HDIV] (4.0 cr)
- ENGL 3155 - 20th-Century British Fiction (4.0 cr)
- ENGL 3332 - African American Women Writers [HDIV] (4.0 cr)
- ENGL 3414 - Feminist Theory [HDIV] (4.0 cr)
- GER 3501 - Women's Issues in Contemporary German Culture [IP] (4.0 cr)
- GWSS 3001 - Troubling Genders in African Cinema [HUM] (4.0 cr)
- GWSS 3414 - Feminist Theory [HDIV] (4.0 cr)
- GWSS 3993 - Directed Study (1.0 - 5.0 cr)
- HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)
- HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
- HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
- PHIL 2141 - Analytic Feminism [HUM] (4.0 cr)
- POL 3303 - Feminist Political Theory [SS] (2.0 cr)
- PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
- PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
- PSY 3261 - Human Sexuality (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SPAN 3654 - Seminar: Sex, Love, and Marriage in Golden Age Spanish Literature [HUM] (4.0 cr)
• SPAN 3688 - Seminar: Literature and Gender in Nineteenth-Century Spain [HUM] (4.0 cr)

Partial Gender, Women, and Sexuality Content
Take at most 4 credit(s) from the following:
• ARTS 3014 - Media Studies: Fabric as Form [ART/P] (3.0 cr)
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)
• ENGL 3142 - The Rise of the Novel (4.0 cr)
• ENGL 3154 - 19th-Century British Fiction (4.0 cr)
• ENGL 3168 - Victorian Literature and Culture (4.0 cr)
• ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
• ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
• ENGL 3411 - Critical Approaches to Literature (4.0 cr)
• ENGL 3444 - Holocaust Literature and Film [IP] (4.0 cr)
• ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
• ENGL 4031 - Research Seminar: Renaissance Romance (4.0 cr)
• ENGL 4034 - Research Seminar: The Adventure Novel in American and British Literature (4.0 cr)
• FREN 1031 - Modern Studies: The Modern Body in France [SS] (4.0 cr)
• FREN 1302 - French Cinema [IP] (4.0 cr)
• FREN 1311 - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
• FREN 3603 - Francophone Studies: Contes francophones (2.0 cr)
• HIST 2103 - Medieval Europe [HIST] (4.0 cr)
• HIST 3008 - The Making of the Islamic World [HDIV] (4.0 cr)
• HIST 3207 - The Crusades [IP] (4.0 cr)
• PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)
• PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)
• PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SPAN 3685 - Seminar: Slavery and Abolition in Cuban Literature and Culture [IP] (4.0 cr)
• SPAN 3686 - Seminar: Writing History in Spanish American Literature [HUM] (4.0 cr)
• SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)
**Morris Campus**

**History B.A.**

*Division of Social Sciences - Adm*

**Division of Social Sciences**

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 40
- Degree: Bachelor of Arts

Objectives—The history curriculum is designed to introduce students to the study of the human past. Students majoring in history learn to approach decision-making with an awareness of a broad range of choices, learn to think critically and communicate their ideas effectively, learn to integrate their academic study with their intellectual and ethical development, and understand the construction of historical knowledge. The curriculum emphasizes the role of the student as an active learner and encourages individualized learning experiences, including those outside of established coursework, and the development of close working relationships between students and faculty.

**Program Delivery**

This program is available:
- via classroom (the majority of instruction is face-to-face)

**Admission Requirements**

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

**General Requirements**

All students are required to complete general University and college requirements. For more information, see the [general education requirements](#).

**Program Requirements**

Students are required to take 2 semester(s) of any second language.

Students should develop a coherent program of study in consultation with their major adviser. The student and adviser must meet to plan the student's course of study and ensure the major encompasses breadth across regions and time periods. The student's plan must involve at least one course prior to 1750, and at least one course each from three of the following areas: Asia, Europe, Middle East/Africa, Latin America, Native America/Indigenous, and United States.

When the student applies for graduation, the adviser reviews the student's course of study to document that the student has successfully demonstrated breadth across regions and time periods in the major.

Prior to the end of the second week of the student's last semester before graduation, the student completes an anonymous online assessment of how well the program of study has enhanced the student's:

* familiarity with range of historical periods and cultures sufficiently broad to allow meaningful exploration of the human experience in varied times and places;

* ability to critically analyze, interpret, and synthesize various types of historical materials;

* insight into the construction of historical knowledge as reflective of personal and social contexts; and

* ability to initiate and pursue a course of historical inquiry.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

**Required Courses**
HIST 1111 - Introduction to World History [HIST] (4.0 cr)
HIST 3181 - The Study of History: Schools, Rules, and Tools [HIST] (4.0 cr)
HIST 4501 - Senior Research Seminar in History (4.0 cr)

Electives
Students must complete 28 credits choosing at least one course prior to 1750, and at least one course each from three of the following areas: Asia, Europe, Middle East/Africa, Latin America, Native America/Indigenous, and United States. Directed Studies (X993) may be used in any of the areas if content is appropriate and approved by their major adviser.

Take 28 or more credit(s) from the following:

**History Prior to 1750**
The courses fulfill the history prior to 1750 course requirement: Hist 1501, Hist 1601, Hist 2103, Hist 2609, Hist 2704, Hist 3008, Hist 3101, Hist 3102, Hist 3207, Hist 3559, Hist 3614, Hist 3704, Hist 3707

**Geographical Areas**
Take 28 or more credit(s) including exactly 3 sub-requirements(s) from the following:

**Asia**
- HIST 1501 - Introduction to East Asian History: China, Japan, and Korea before 1800. [HIST] (4.0 cr)
- or HIST 2551 - Modern Japan [HIST] (4.0 cr)
- or HIST 2552 - History of Modern China [HIST] (4.0 cr)
- or HIST 2557 - History of Southeast Asia [HIST] (4.0 cr)
- or HIST 3557 - East Asia Since 1800 [IP] (4.0 cr)

**Europe**
- HIST 2103 - Medieval Europe [HIST] (4.0 cr)
- or HIST 2151 - Modern Europe [HIST] (4.0 cr)
- or HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
- or HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
- or HIST 3101 - Renaissance and Reformation [HIST] (4.0 cr)
- or HIST 3102 - Early Modern Europe [HIST] (4.0 cr)
- or HIST 3161 - The Enlightenment [HIST] (4.0 cr)
- or HIST 3162 - The Scottish Enlightenment: Markets, Minds, and Morals [IP] (4.0 cr)
- or HIST 3176 - Berlin as a Site of History [HIST] (4.0 cr)
- or HIST 3177 - Virtue and Vice in Amsterdam: From the Golden Age to the Global Age [IP] (4.0 cr)
- or HIST 3204 - Nazi Germany [HIST] (4.0 cr)
- or HIST 3207 - The Crusades [IP] (4.0 cr)
- or HIST 3209 - Modern Germany [HIST] (4.0 cr)
- or HIST 3211 - Modern France [HIST] (4.0 cr)
- or HIST 3213 - Modern Britain: Society, Culture and Politics [HIST] (4.0 cr)

**Middle East/Africa**
- HIST 3008 - The Making of the Islamic World [HDIV] (4.0 cr)

**Latin America**
- HIST 1601 - Latin American History: A Basic Introduction [IP] (4.0 cr)
- or HIST 2608 - History of Cuba: From Colony to Revolutionary State [HIST] (4.0 cr)
- or HIST 2609 - History of Brazil: From Sugar to Sugar Cars [HIST] (4.0 cr)
- or HIST 3601 - Great Books in Latin American History [IP] (4.0 cr)
- or HIST 3612 - Social Revolution in 20th-Century Latin America [HIST] (4.0 cr)
- or HIST 3613 - U.S.-Latin American Relations in Historical Perspective [IP] (4.0 cr)
- or HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)

**Native American/Indigenous**
- ANTH 3402 [Inactive] [HDIV] (4.0 cr)
- or HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
- or HIST 2451 - The American West [HIST] (4.0 cr)
- or HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
- or HIST 3402 [Inactive] [HDIV] (4.0 cr)

**United States**
- HIST 1301 - Introduction to U.S. History [HIST] (4.0 cr)
- or HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)
- or HIST 2352 - The U.S. 1960s [HIST] (4.0 cr)
- or HIST 2452 - Minnesota History [HIST] (4.0 cr)
- or HIST 3303 - Creation of the American Republic [HIST] (4.0 cr)
- or HIST 3304 - Race, Class, and Gender in American History [HDIV] (4.0 cr)
- or HIST 3351 - The U.S. Presidency Since 1900 [SS] (4.0 cr)
- or HIST 3353 - World War II [HIST] (4.0 cr)
- or HIST 3355 - United States in Transition, 1877-1920 [HIST] (4.0 cr)
- or HIST 3356 - Civil Rights Movement, 1954-1974 [HIST] (4.0 cr)
- or HIST 3358 - Civil War and Reconstruction [HIST] (4.0 cr)
- or HIST 3360 - American Experience in World War II [HIST] (4.0 cr)

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or HIST 3361 - An Environmental and Geographic History of the United States [ENVT] (4.0 cr)
or HIST 3453 - The American Presidency, 1789-1900 [HIST] (4.0 cr)
or HIST 3455 - American Immigration [HIST] (4.0 cr)
or HIST 3456 - History of Religion in America [HIST] (4.0 cr)
or HIST 3464 - History of Suburban America [HIST] (4.0 cr)
or HIST 3465 - History of the American Family [HIST] (4.0 cr)
Objectives--The history curriculum is designed to introduce students to the study of the human past. Students minoring in history learn to approach decision-making with an awareness of a broad range of choices; learn to think critically and communicate their ideas effectively; learn to integrate their academic study with their intellectual and ethical development; and understand the construction of historical knowledge. The curriculum emphasizes the role of the student as an active learner and encourages individualized learning experiences, including those outside of established coursework, and the development of close working relationships between students and faculty.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
HIST 1111 - Introduction to World History [HIST] (4.0 cr)

Electives
An additional 16 credits in history of which 12 credits are at 2xxx or above. There should be evidence of work in at least three (3) of the following areas: Asia, Europe, Middle East/Africa, Latin America, Native America/Indigenous, and United States. Directed Studies (X993) may be used in any of the areas if content is appropriate and approved by their major adviser.

Take 16 or more credit(s) including exactly 3 sub-requirements(s) from the following:

Geographical Areas - 1xxx
Take at most 4 credit(s) from the following:
Asia
• HIST 1501 - Introduction to East Asian History: China, Japan, and Korea before 1800. [HIST] (4.0 cr)
• Latin America
  • HIST 1601 - Latin American History: A Basic Introduction [IP] (4.0 cr)
• United States
  • HIST 1301 - Introduction to U.S. History [HIST] (4.0 cr)
  or HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)
• Geographical Areas - 2xxx or above
Take 12 or more credit(s) from the following:
Asia
• HIST 2551 - Modern Japan [HIST] (4.0 cr)
  or HIST 2552 - History of Modern China [HIST] (4.0 cr)
  or HIST 2557 - History of Southeast Asia [HIST] (4.0 cr)
  or HIST 3557 - East Asia Since 1800 [IP] (4.0 cr)
• Europe
  • HIST 2103 - Medieval Europe [HIST] (4.0 cr)
  or HIST 2151 - Modern Europe [HIST] (4.0 cr)
  or HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
  or HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
  or HIST 3101 - Renaissance and Reformation [HIST] (4.0 cr)
  or HIST 3102 - Early Modern Europe [HIST] (4.0 cr)
  or HIST 3161 - The Enlightenment [HIST] (4.0 cr)
  or HIST 3162 - The Scottish Enlightenment: Markets, Minds, and Morals [IP] (4.0 cr)
or HIST 3176 - Berlin as a Site of History [HIST] (4.0 cr)
or HIST 3177 - Virtue and Vice in Amsterdam: From the Golden Age to the Global Age [IP] (4.0 cr)
or HIST 3204 - Nazi Germany [HIST] (4.0 cr)
or HIST 3207 - The Crusades [IP] (4.0 cr)
or HIST 3209 - Modern Germany [HIST] (4.0 cr)
or HIST 3211 - Modern France [HIST] (4.0 cr)
or HIST 3213 - Modern Britain: Society, Culture and Politics [HIST] (4.0 cr)

• Middle East/Africa
  • HIST 3008 - The Making of the Islamic World [HDIV] (4.0 cr)

• Latin America
  • HIST 2608 - History of Cuba: From Colony to Revolutionary State [HIST] (4.0 cr)
or HIST 2609 - History of Brazil: From Sugar to Sugar Cars [HIST] (4.0 cr)
or HIST 3601 - Great Books in Latin American History [IP] (4.0 cr)
or HIST 3612 - Social Revolution in 20th-Century Latin America [HIST] (4.0 cr)
or HIST 3613 - U.S.-Latin American Relations in Historical Perspective [IP] (4.0 cr)
or HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)

• Native American/Indigenous
  • ANTH 3402 [Inactive] [HDIV] (4.0 cr)
or HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
or HIST 2451 - The American West [HIST] (4.0 cr)
or HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
or HIST 3402 [Inactive] [HDIV] (4.0 cr)

• United States
  • HIST 2352 - The U.S. 1960s [HIST] (4.0 cr)
or HIST 2452 - Minnesota History [HIST] (4.0 cr)
or HIST 3303 - Creation of the American Republic [HIST] (4.0 cr)
or HIST 3304 - Race, Class, and Gender in American History [HDIV] (4.0 cr)
or HIST 3351 - The U.S. Presidency Since 1900 [SS] (4.0 cr)
or HIST 3353 - World War II [HIST] (4.0 cr)
or HIST 3355 - United States in Transition, 1877-1920 [HIST] (4.0 cr)
or HIST 3356 - Civil Rights Movement, 1954-1974 [HIST] (4.0 cr)
or HIST 3358 - Civil War and Reconstruction [HIST] (4.0 cr)
or HIST 3360 - American Experience in World War II [HIST] (4.0 cr)
or HIST 3361 - An Environmental and Geographic History of the United States [ENVT] (4.0 cr)
or HIST 3453 - The American Presidency, 1789-1900 [HIST] (4.0 cr)
or HIST 3455 - American Immigration [HIST] (4.0 cr)
or HIST 3456 - History of Religion in America [HIST] (4.0 cr)
or HIST 3464 - History of Suburban America [HIST] (4.0 cr)
or HIST 3465 - History of the American Family [HIST] (4.0 cr)
Morris Campus
Liberal Arts for the Human Services B.A.
Division of Social Sciences

Program Type: Baccalaureate
Requirements for this program are current for Fall 2015
Required credits to graduate with this degree: 120
Required credits within the major: 60
Degree: Bachelor of Arts

Objectives--This program's three main purposes are to provide a firm liberal arts basis for understanding individual human behavior in its social context; provide the liberal arts foundation for professional work in baccalaureate-level human services occupations, such as counseling, casework, personnel work, criminal justice, and administration of human services in federal and state agencies, private businesses, or professional organizations; and prepare students for graduate work in the human services professions.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students develop a coherent program of study in consultation with their major advisers generally no later than the spring semester of their sophomore year. Advisers normally are faculty with a background or specialties related to the human services area (anthropology, psychology, sociology).

Because LAHS students pursue varied careers, they are advised to include in their programs courses appropriate to their career plans. In all instances, students should consult with their advisers when designing their programs.

Students should discuss the arrangement of their field experience with the LAHS internship adviser no later than the fall semester of their junior year. Information concerning specific field placements can be obtained from the directory of the Career Services or the LAHS internship adviser.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Courses and directed studies not listed below may be considered for addition to the LAHS major, provided the subject matter is appropriate for the program of study. Contact LAHS coordinator.

Students should complete Psy 4102 during the year before their internship (PSY 4896 or IS 3796 or IS 3996).

ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
or SOC 1101 - Introductory Sociology [SS] (4.0 cr)
PSY 1051 - Introduction to Psychology [SS] (4.0 cr)
SOC 3103 - Research Methodology in Sociology [SS] (4.0 cr)
   or PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
   or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
PSY 4102 - Intro to Prof Conduct, Legal Constraints, Ethics in Human Services [E/CR] (2.0 cr)
Take 4 or more credit(s) from the following:
- IS 3796 - Interdisciplinary Internship in the Helping Professions (1.0 - 16.0 cr)
- IS 3996 - Interdisciplinary Internship (1.0 - 16.0 cr)
- PSY 4896 - Field Experiences in Psychology (1.0 - 4.0 cr)

Electives
38 credits to be selected from the courses listed below, with a minimum of 14 credits each in anthropology/sociology and upper division psychology.

Upper Division Anthropology/Sociology Electives
Take 14 or more credit(s) from the following:
- ANTH 2101 - Physical Anthropology [SCI-L] (4.0 cr)
- ANTH 2103 - Archaeology [SS] (4.0 cr)
- ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
- ANTH 2604 - China in the Era of Globalization [IP] (4.0 cr)
- ANTH 2605 - Anthropology of Globalization [SS] (4.0 cr)
- ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
- ANTH 3352 - Representation and Power in Contemporary China [SS] (4.0 cr)
- ANTH 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
- ANTH 3455 - North American Archaeology [SS] (4.0 cr)
- ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
- ANTH 3602 - Women in Latin America [IP] (4.0 cr)
- ANTH 3603 - Latin American Archaeology [SS] (4.0 cr)
- ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
- HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
- SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
- SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
- SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
- SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
- SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
- SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
- SOC 3124 - Sociology of Law [SS] (4.0 cr)
- SOC 3131 - World Population [ENVT] (4.0 cr)
- SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
- SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- SOC 3251 - African Americans [HDIV] (4.0 cr)
- SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
- SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
- SOC 3602 - Women in Latin America [IP] (4.0 cr)

Upper Division Psychology Electives
Students who plan to enroll in PSY 4101 should complete the course before their internship or field experience.
Take 14 or more credit(s) from the following:
- PSY 2411 - Introduction to Lifespan Developmental Psychology [SS] (4.0 cr)
- PSY 2581 - Drugs and Human Behavior [SS] (2.0 cr)
- PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
- PSY 3101 - Learning Theory and Behavior Modification [SS] (4.0 cr)
- PSY 3111 - Sensation and Perception [SS] (4.0 cr)
- PSY 3112 - Cognition [SS] (4.0 cr)
- PSY 3211 - Biological Psychology [SCI-L] (5.0 cr)
- PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
- PSY 3261 - Human Sexuality [SS] (4.0 cr)
- PSY 3302 - Personality [SS] (4.0 cr)
- PSY 3313 - Psychopathology [SS] (4.0 cr)
- PSY 3314 - Child and Adolescent Psychopathology [SS] (4.0 cr)
- PSY 3315 - Parenting and Family Therapy [SS] (4.0 cr)
- PSY 3401 - Developmental Psychology I: Child Psychology [SS] (4.0 cr)
- PSY 3402 - Developmental Psychology II: Adolescence and Emerging Adulthood [SS] (4.0 cr)
- PSY 3403 - Developmental Psychology III: Adulthood and Aging [E/CR] (4.0 cr)
- PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)
- PSY 3501 - Social Psychology [SS] (4.0 cr)
- PSY 3502 - Psychology and Law [SS] (4.0 cr)
- PSY 3503 - Consumer Psychology [SS] (4.0 cr)
• PSY 3504 - Educational Psychology [SS] (4.0 cr)
• PSY 3513 - Negotiation [SS] (4.0 cr)
• MGMT 3513 - Negotiation [SS] (4.0 cr)
• PSY 3521 - Health Psychology [SS] (4.0 cr)
• PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
• PSY 3701 - Organizational Behavior [SS] (4.0 cr)
• MGMT 3701 - Organizational Behavior [SS] (4.0 cr)
• PSY 4101 - Helping Relationships (4.0 cr)
• PSY 4301 - Clinical Assessment and Therapeutic Interventions (4.0 cr)
• PSY 4910 - Advanced Seminar in Cognitive Psychology (4.0 cr)
• PSY 4920 - Advanced Seminar in Biological or Comparative Psychology (4.0 cr)
• PSY 4930 - Advanced Seminar in Personality or Clinical Psychology (4.0 cr)
• PSY 4940 - Advanced Seminar in Developmental Psychology (4.0 cr)
• PSY 4950 - Advanced Seminar in Social Psychology (4.0 cr)
• PSY 4960 - Advanced Seminar in Health Psychology (4.0 cr)

Additional Elective Courses
Take at most 8 credit(s) from the following:
• CMR 2411 - Health Communication [HUM] (4.0 cr)
• CMR 2421 - Business and Professional Communication [E/CR] (4.0 cr)
• CMR 3401 - Communication Theory [SS] (4.0 cr)
• CMR 3411 - Intercultural Communication Theory and Research [HDIV] (4.0 cr)
• CMR 3421 - Organizational Communication Theory and Research [SS] (4.0 cr)
• ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
• ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
• ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
• ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
• HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
• HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
• HIST 3613 - U.S.-Latin American Relations in Historical Perspective [IP] (4.0 cr)
• HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)
• MGMT 3151 - Human Resources Management I [E/CR] (2.0 cr)
• MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
• MGMT 3171 - Leadership in Organizations [SS] (2.0 cr)
• POL 3201 - Legislative Process [SS] (4.0 cr)
• POL 3234 - Race, Class, and Power: Social Movements and Interest Groups in U.S. Politics [HDIV] (4.0 cr)
• POL 3354 - Political Ethics [E/CR] (4.0 cr)
• POL 3503 - Women in Politics Worldwide [IP] (4.0 cr)
Morris Campus
Management B.A.
Division of Social Sciences - Adm
Division of Social Sciences

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 120
• Required credits within the major: 58 to 60
• Degree: Bachelor of Arts

This discipline offers a multidisciplinary liberal arts-based program that allows students to enter the field of management as a professional or proceed to graduate studies.

Objectives--The management curriculum focuses on areas of human knowledge that concern the operation and control of business and nonprofit organizations. In addition to developing competence in analytical and core business areas, students majoring in the field are expected to learn to critically examine business and other institutions from a liberal arts perspective. Specifically, management students:

1. understand and use a variety of techniques to manage financial, human, and material resources
2. are able to critically conceptualize business problems and to develop appropriate strategies for problem solving
3. understand and use a variety of quantitative analysis techniques appropriate for business
4. develop collaborative skills
5. be competent in written and oral communication
6. develop competence in computer skills
7. are prepared for professional careers in business or public service, or for graduate studies
8. are able to see relationships between management and other liberal arts disciplines

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students intending on going to graduate school are strongly recommended to take MATH 1101-1102. Students are also recommended to take PHIL 2112, if not required to do so. Prospective majors should see a management faculty member before registering for classes. Consultation with an adviser is essential to program planning.

Requirements for the major include successful completion of each of the following four elements:

1) the management core
2) the 3000-level elective management block
3) the elective management capstone block
4) a program sub-plan in either Financial and Organizational Management (F&OM) or Global Business (GB)
Grades of D or D+ in MGMT 2101-2102, ECON 1111-1112, STAT 1601 or 2601 may not be used to meet the major requirements.

Up to 4 credits of other coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B. No coursework for the major may be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

No more than 4 credits from each of the following can be applied to the major: ECON 4501 - Senior Research Seminar in Economics and Management, MGMT x993 - Directed Study.

**Element 1: The Management Core**

Students must successfully complete all of the courses below in order to satisfy this element of the major.

Students should complete all but ECON 3113 and MGMT 3601 during their first two years.

- CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
- ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
- ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
- ECON 3113 - Money, Banking, and Financial Markets [SS] (4.0 cr)
- MGMT 2101 - Principles of Accounting I (4.0 cr)
- MGMT 3601 - Transnational Enterprise [IP] (4.0 cr)
- STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

**Element 2: 3000-level Elective Management Block**

Students must successfully complete 8 or more credits from the list below, exclusive of coursework used to satisfy sub-plan requirements.

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

- •ECON 3005 - Experimental and Behavioral Economics I [SS] (2.0 cr)
- •ECON 3006 - Experimental and Behavioral Economics II [SS] (2.0 cr)
- •ECON 3007 - Environmental and Natural Resource Economics I [ENVT] (2.0 cr)
- •ECON 3008 - Environmental and Natural Resource Economics II [ENVT] (2.0 cr)
- •ECON 3009 - Political Economy [SS] (4.0 cr)
- •ECON 3011 - Cost-Benefit Analysis [ENVT] (4.0 cr)
- •ECON 3014 - Game Theory: The Theory of Strategic Behavior I [SS] (2.0 cr)
- •ECON 3015 - Game Theory: The Theory of Strategic Behavior II [SS] (2.0 cr)
- •ECON 3121 - Public Economics I [SS] (2.0 cr)
- •ECON 3122 - Public Economics II [SS] (2.0 cr)
- •ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
- •ECON 3133 - Economics of China [IP] (2.0 cr)
- •ECON 3134 - Cooperative Business Model [SS] (2.0 cr)
- •ECON 3141 - Economic Development and Growth I [IP] (2.0 cr)
- •ECON 3142 - Economic Development and Growth II [IP] (2.0 cr)
- •ECON 3153 - Contemporary Global Economic Issues [IP] (2.0 cr)
- •ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
- •ECON 3211 - History of Economic Thought I [HIST] (2.0 cr)
- •ECON 3212 - History of Economic Thought II [HIST] (2.0 cr)
- •ECON 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
- •ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
- •ECON 3993 - Directed Study (1.0 - 5.0 cr)
- •ENST 3101 - Industrial Ecology (4.0 cr)
- •MGMT 3101 - Financial Management [SS] (4.0 cr)
- •MGMT 3102 - Financial Institutions [SS] (2.0 cr)
- •MGMT 3133 - Managerial Accounting (4.0 cr)
- •MGMT 3134 - Cooperative Business Model (2.0 cr)
- •MGMT 3141 - Business Law I (2.0 cr)
- •MGMT 3142 - Business Law II (2.0 cr)
- •MGMT 3151 - Human Resources Management I [E/CR] (2.0 cr)
- •MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
- •MGMT 3161 - Labor Management Relations I [E/CR] (2.0 cr)
- •MGMT 3162 - Labor Management Relations II [SS] (2.0 cr)
- •MGMT 3171 - Leadership in Organizations [SS] (2.0 cr)
- •MGMT 3201 - Marketing Principles and Strategy [SS] (4.0 cr)
- •MGMT 3221 - Management and Organization Theory [SS] (4.0 cr)
- •MGMT 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
Element 3: Elective Management Capstone Block
Students must successfully complete 4 or more credits from the list below.
Take 4 or more credit(s) from the following:
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ECON 4102 - Labor Economics II (2.0 cr)
• ECON 4111 - Mathematical Economics I (2.0 cr)
• ECON 4112 - Mathematical Economics II (2.0 cr)
• ECON 4121 - International Trade Theory (2.0 cr)
• ECON 4131 - International Finance (2.0 cr)
• ECON 4141 - Empirics of Economic Growth (2.0 cr)
• ECON 4501 - Senior Research Seminar in Economics and Management (2.0 cr)
• ECON 4993 - Directed Study (1.0 - 5.0 cr)
• MGMT 4101 - Investment and Portfolio Analysis (4.0 cr)
• MGMT 4201 - The Economics of Corporate Strategy I (2.0 cr)
• MGMT 4202 - The Economics of Corporate Strategy II (2.0 cr)
• MGMT 4501 - Globalization and Business Strategy (2.0 cr)
• MGMT 4502 - Technological Change, Labor Market, and Skill Formation (2.0 cr)
• MGMT 4505 - International Managerial Finance (2.0 cr)
• MGMT 4601 - Advanced Topics in Financial Economics (2.0 cr)
• MGMT 4602 - Long-Term Financing (2.0 cr)
• MGMT 4603 - Working Capital Management (2.0 cr)
• MGMT 4896 - Internship (1.0 - 4.0 cr)
• MGMT 4993 - Directed Study (1.0 - 5.0 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.)

Financial and Organizational Management (F&OM)
The Financial and Organizational Management (F&OM) Sub-Plan requires completion of the following elements:
1. the F&OM Required Courses Block
2. the F&OM Elective Courses Block

F&OM Sub-Plan Element 1: The F&OM Required Courses Block
Students must successfully complete the list of courses below.
• MGMT 2102 - Principles of Accounting II (2.0 cr)
• MGMT 3101 - Financial Management [SS] (4.0 cr)
• MGMT 3701 - Organizational Behavior [SS] (4.0 cr)
• MGMT 3123 - Managerial Economics [SS] (4.0 cr)
or ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
• MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
or MATH 1101 - Calculus I [M/SR] (5.0 cr)

F&OM Sub-Plan Element 2: The F&OM Elective Courses Block
Take 4 or more credit(s) from the following:
• CSCI 1251 - Computational Data Management and Manipulation [M/SR] (4.0 cr)
• PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)

Global Business
The Global Business (GB) Sub-Plan requires completion of the following elements:
1. the GB Language Block
2. the GB Skills and Perspectives Block
3. the GB General Electives Block
GB Sub-Plan Element 1: The GB Language Block
Students must complete 8 credits of French, German, Spanish, or other approved language of international commerce at 2xxx level or above.

GB Sub-Plan Element 2: The Skills and Perspectives Block
Take 8 or more credit(s) from the following:
- CSCI 1251 - Computational Data Management and Manipulation [M/SR] (4.0 cr)
- MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)
  or MATH 1101 - Calculus I [M/SR] (5.0 cr)
- PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)

GB Sub-Plan Element 3: The GB General Electives Block
Take 6 or more credit(s) from the following:
- ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
- ECON 3133 - Economics of China [IP] (2.0 cr)
- ECON 3141 - Economic Development and Growth I [IP] (2.0 cr)
- ECON 3142 - Economic Development and Growth II [IP] (2.0 cr)
- ECON 3153 - Contemporary Global Economic Issues [IP] (2.0 cr)
- ECON 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
- ECON 4121 - International Trade Theory (2.0 cr)
- ECON 4131 - International Finance (2.0 cr)
- MGMT 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
- MGMT 3352 - Emerging Markets in Asia [IP] (4.0 cr)
- MGMT 4501 - Globalization and Business Strategy (2.0 cr)
- MGMT 4502 - Technological Change, Labor Market, and Skill Formation (2.0 cr)
- MGMT 4505 - International Managerial Finance (2.0 cr)
Division of Social Sciences - Adm

Morris Campus
Management Minor

This discipline offers a multidisciplinary liberal arts-based program that allows students to enter the field of management as a professional or proceed to graduate studies.

Objectives--The management curriculum focuses on those areas of human knowledge that concern the operation and control of business and nonprofit organizations. In addition to developing competence in analytical and core business areas, students majoring in the field are expected to learn to critically examine business and other institutions from a liberal arts perspective. Specifically, management students

* understand and use a variety of techniques to manage financial, human, and material resources;
* are able to critically conceptualize business problems and to develop appropriate strategies for problem solving;
* understand and use a variety of quantitative analysis techniques appropriate for business;
* develop collaborative skills;
* be competent in written and oral communication;
* develop competence in computer skills;
* are prepared for professional careers in business or public service, or for graduate studies; and
* are able to see relationships between management and other liberal arts disciplines.

Program Delivery
This program is available:

• via classroom (the majority of instruction is face-to-face)

Minor Requirements
Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Grades of D or D+ in MGMT 2101-2102 or ECON 1111-1112 may not be used to meet minor requirements.

ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
MGMT 2101 - Principles of Accounting I (4.0 cr)
MGMT 2102 - Principles of Accounting II (2.0 cr)

Elective Courses
No more than 4 credits from MGMT x993 - Directed Study can be applied to the minor.

Take 12 or more credit(s) from the following:

• MGMT 3101 - Financial Management [SS] (4.0 cr)
• MGMT 3102 - Financial Institutions [SS] (2.0 cr)
• MGMT 3123 - Managerial Economics [SS] (4.0 cr)
• MGMT 3133 - Managerial Accounting (4.0 cr)
• MGMT 3134 - Cooperative Business Model (2.0 cr)
• MGMT 3141 - Business Law I (2.0 cr)
• MGMT 3142 - Business Law II (2.0 cr)
• MGMT 3151 - Human Resources Management I [E/CR] (2.0 cr)
• MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
• MGMT 3161 - Labor Management Relations I [E/CR] (2.0 cr)
• MGMT 3162 - Labor Management Relations II [SS] (2.0 cr)
• MGMT 3171 - Leadership in Organizations [SS] (2.0 cr)
• MGMT 3201 - Marketing Principles and Strategy [SS] (4.0 cr)
• MGMT 3221 - Management and Organization Theory [SS] (4.0 cr)
• MGMT 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
• MGMT 3352 - Emerging Markets in Asia [IP] (4.0 cr)
• MGMT 3501 - Applied Deterministic Modeling for Management Science (2.0 cr)
• MGMT 3502 - Applied Probabilistic Modeling for Management Science (2.0 cr)
• MGMT 3503 - Consumer Behavior [SS] (4.0 cr)
• MGMT 3513 - Negotiation (4.0 cr)
• MGMT 3601 - Transnational Enterprise [IP] (4.0 cr)
• MGMT 3701 - Organizational Behavior [SS] (4.0 cr)
• MGMT 3993 - Directed Study (1.0 - 5.0 cr)
• MGMT 3xxx
• MGMT 4101 - Investment and Portfolio Analysis (4.0 cr)
• MGMT 4201 - The Economics of Corporate Strategy I (2.0 cr)
• MGMT 4202 - The Economics of Corporate Strategy II (2.0 cr)
• MGMT 4501 - Globalization and Business Strategy (2.0 cr)
• MGMT 4502 - Technological Change, Labor Market, and Skill Formation (2.0 cr)
• MGMT 4505 - International Managerial Finance (2.0 cr)
• MGMT 4601 - Advanced Topics in Financial Economics (2.0 cr)
• MGMT 4602 - Long-Term Financing (2.0 cr)
• MGMT 4603 - Working Capital Management (2.0 cr)
• MGMT 4896 - Internship (1.0 - 4.0 cr)
• MGMT 4993 - Directed Study (1.0 - 5.0 cr)
• MGMT 4xxx
Morris Campus
Political Science B.A.
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 40
- Degree: Bachelor of Arts

This discipline is in the Division of the Social Sciences.

Objectives—Political science is the comprehensive study of the behaviors, organizations, institutions, and philosophical foundations of political life at the individual, state, national, and international settings. The major program is designed to prepare students for lifelong civic engagement and leadership in democratic society, as well as intercultural competence as global citizens. The political science major curriculum stresses the development of strong analytical skills and critical thinking and prepares students for further academic training in political science, law, public administration, and other graduate programs as well as for work in public affairs, business, journalism, interest groups, and a wide range of other careers.

Students who complete the political science major are able to critically analyze and interpret political processes, problems, and challenges; understand, synthesize, and contribute imaginatively to the major research and theoretical debates prevalent in the study of American and comparative politics, international relations, and political thought; present their evidence and arguments in clear, precise language; and participate thoughtfully, knowledgeably, and ethically in civic life.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

The political science major requires 40 credit hours of political science courses. Of those, 16 are required core courses and 24 are elective courses. The political science discipline strongly recommends that students take advantage of opportunities in internships, field studies, and study abroad.

Students are also strongly encouraged to take advantage of courses in other disciplines such as economics, history, psychology, philosophy, and statistics that will complement and enrich their political science coursework. Symbolic Logic (PHIL 2101) is recommended for pre-law students and statistics (STAT 1601 or 2601) for other political science majors.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
- Take 2 or more course(s) from the following:
  - POL 1101 - Introduction to Political Theory [E/CR] (4.0 cr)
  - POL 1201 - American Government and Politics [E/CR] (4.0 cr)
  - POL 1202 - Law and Society: Introduction to Public Law [SS] (4.0 cr)
  - POL 1401 - World Politics [IP] (4.0 cr)
POL 2001 - Political Science Research Methods [SS] (4.0 cr)
Take exactly 1 course(s) from the following:
• POL 4205 - Seminar in American Politics (4.0 cr)
• POL 4305 - Seminar in Political Theory (4.0 cr)
• POL 4405 - Seminar in Comparative Politics and International Relations (4.0 cr)

Electives
Of the 24 addl credits, majors are required to take at least 4 cr at 2xxx level and at least 12 cr at 3xxx level. No more than 4 elective cr can be at the 1xxx level and are exclusive of any used to complete the required courses.

Directed studies (no more than 8 cr) and field studies/internships (no more than 4 cr) may count toward the 24 credits, but they do not replace the requirement to take at least one course from each area or the requirement for one 4xxx political science course.

Political Science majors must satisfy distribution requirement by taking at least 4 credits in each of the three areas (American Politics, International and Comparative Politics, and Political Theory). Students may take an additional 4xxx course as an elective.

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

American Politics
Take 4 or more credit(s) from the following:
• POL 2221 - The American Judicial Process [SS] (2.0 cr)
• POL 2222 - The U.S. Supreme Court [SS] (2.0 cr)
• POL 2234 - Race, Class and Power: Social Movements in U.S. Politics [HDIV] (2.0 cr)
• POL 2235 - Race, Class and Power: Interest Groups in U.S. Politics [HDIV] (2.0 cr)
• POL 2261 - States: Laboratories of American Democracy [E/CR] (2.0 cr)
• POL 2262 - Power and Politics in American Cities and Communities [E/CR] (2.0 cr)
• POL 3201 - Legislative Process [SS] (4.0 cr)
• POL 3211 - The American Presidency [SS] (4.0 cr)
• POL 3231 - Constitutional Law: Civil Liberties and Civil Rights [HDIV] (4.0 cr)
• POL 3232 - Constitutional Law: Governmental Powers and Constraints [SS] (4.0 cr)
• POL 3251 - Political Participation and Voting Behavior [SS] (4.0 cr)
• POL 3263 - Political Psychology [SS] (4.0 cr)
• POL 3266 - Media and Politics [SS] (4.0 cr)
• POL 3272 - Making Environmental Public Policy [ENVT] (4.0 cr)

International and Comparative Politics
Take 4 or more credit(s) from the following:
• POL 2401 - U.S. Foreign Policy [IP] (4.0 cr)
• POL 2411 - The United Nations: Simulated Negotiations [IP] (2.0 cr)
• POL 2461 - Diplomatic Negotiation [IP] (4.0 cr)
• POL 2501 - East Asian Society and Politics [SS] (4.0 cr)
• POL 3411 - International Law [E/CR] (4.0 cr)
• POL 3451 - Comparative Foreign Policy (4.0 cr)
• POL 3453 - Russian Politics and Foreign Policy [IP] (4.0 cr)
• POL 3475 - International Human Rights (4.0 cr)
• POL 3504 - Latin American Politics (4.0 cr)
• POL 3514 - Pyramids and Politics on the Nile [IP] (4.0 cr)

Political Theory
Take 4 or more credit(s) from the following:
• POL 2301 - Anarchy and Utopia [HUM] (2.0 cr)
• POL 2302 - Gandhi and the Politics of Resistance [SS] (2.0 cr)
• POL 2354 - Political Ethics [E/CR] (4.0 cr)
• POL 3302 - Islamic Political Thought [SS] (2.0 cr)
• POL 3303 - Feminist Political Theory [SS] (2.0 cr)
• POL 3351 - Ancient and Medieval Political Thought [HUM] (4.0 cr)
• POL 3352 - Modern Political Thought [HUM] (4.0 cr)
• POL 3355 - Environmental Political Theory [ENVT] (4.0 cr)
Morris Campus
Political Science Minor
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 20

Objectives--Political science is the study of the political world in a comprehensive sense, including the behaviors, organizations, institutions, and philosophical foundations of political life from the level of individuals to the international setting in both contemporary and historical contexts. In addition, political science makes the connection between theory and practice at the ground level by preparing students for active lifelong participation and leadership in democratic society. The political science major curriculum stresses the development of strong analytical skills and critical thinking and prepares students for further academic training in political science, law, public administration, and other graduate programs, as well as for work in public affairs, business, journalism, interest groups, and a wide range of other careers.

Students who complete the political science major are able to critically analyze and interpret political processes, problems, and challenges; understand, synthesize, and contribute imaginatively to the major research and theoretical debates prevalent in the study of American and comparative politics, international relations, and political thought; present their evidence and arguments in clear, precise language; and participate thoughtfully, knowledgeably, and ethically in civic life.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
The political science minor requires 20 credit hours of political science courses.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of “F” are included in GPA calculation until they are replaced.

Required Courses
Take 1 or more course(s) from the following:
- POL 1101 - Introduction to Political Theory [E/CR] (4.0 cr)
- POL 1201 - American Government and Politics [E/CR] (4.0 cr)
- POL 1202 - Law and Society: Introduction to Public Law [SS] (4.0 cr)
- POL 1401 - World Politics [IP] (4.0 cr)

Elective Courses
Courses used to satisfy electives are exclusive of any used to complete the required courses.

Take 12 or more credits from 2xxx, 3xxx or 4xxx. At least 4 credits must be from 3xxx or 4xxx level.
Take at most 4 credit(s) from the following:
- POL 1101 - Introduction to Political Theory [E/CR] (4.0 cr)
- POL 1201 - American Government and Politics [E/CR] (4.0 cr)
- POL 1202 - Law and Society: Introduction to Public Law [SS] (4.0 cr)
- POL 1401 - World Politics [IP] (4.0 cr)

Take at most 8 credit(s) from the following:
- POL 2001 - Political Science Research Methods [SS] (4.0 cr)
- POL 2221 - The American Judicial Process [SS] (2.0 cr)
- POL 2222 - The U.S. Supreme Court [SS] (2.0 cr)
- POL 2234 - Race, Class and Power: Social Movements in U.S. Politics [HDIV] (2.0 cr)
- POL 2235 - Race, Class and Power: Interest Groups in U.S. Politics [HDIV] (2.0 cr)
- POL 2261 - States: Laboratories of American Democracy [E/CR] (2.0 cr)
- POL 2262 - Power and Politics in American Cities and Communities [E/CR] (2.0 cr)
- POL 2301 - Anarchy and Utopia [HUM] (2.0 cr)
• POL 2302 - Gandhi and the Politics of Resistance [SS] (2.0 cr)
• POL 2401 - U.S. Foreign Policy [IP] (4.0 cr)
• POL 2411 - The United Nations: Simulated Negotiations [IP] (2.0 cr)
• POL 2461 - Diplomatic Negotiation [IP] (4.0 cr)
• POL 2501 - East Asian Society and Politics [SS] (4.0 cr)

Take 4 or more credit(s) from the following:
• POL 3201 - Legislative Process [SS] (4.0 cr)
• POL 3211 - The American Presidency [SS] (4.0 cr)
• POL 3231 - Constitutional Law: Civil Liberties and Civil Rights [HDIV] (4.0 cr)
• POL 3232 - Constitutional Law: Governmental Powers and Constraints [SS] (4.0 cr)
• POL 3251 - Political Participation and Voting Behavior [SS] (4.0 cr)
• POL 3263 - Political Psychology [SS] (4.0 cr)
• POL 3266 - Media and Politics [SS] (4.0 cr)
• POL 3272 - Making Environmental Public Policy [ENVT] (4.0 cr)
• POL 3302 - Islamic Political Thought [SS] (2.0 cr)
• POL 3303 - Feminist Political Theory [SS] (2.0 cr)
• POL 3351 - Ancient and Medieval Political Thought [HUM] (4.0 cr)
• POL 3352 - Modern Political Thought [HUM] (4.0 cr)
• POL 3254 - Political Ethics [E/CR] (4.0 cr)
• POL 3355 - Environmental Political Theory [ENVT] (4.0 cr)
• POL 3411 - International Law [E/CR] (4.0 cr)
• POL 3451 - Comparative Foreign Policy (4.0 cr)
• POL 3453 - Russian Politics and Foreign Policy [IP] (4.0 cr)
• POL 3475 - International Human Rights (4.0 cr)
• POL 3504 - Latin American Politics (4.0 cr)
• POL 3996 - Field Study in Political Science (1.0 - 16.0 cr)
• POL 3xxx
• POL 4305 - Seminar in Political Theory (4.0 cr)
• POL 4205 - Seminar in American Politics (4.0 cr)
• POL 4405 - Seminar in Comparative Politics and International Relations (4.0 cr)
Morris Campus
Psychology B.A.
Division of Social Sciences - Adm
Division of Social Sciences

Program Type: Baccalaureate
Requirements for this program are current for Fall 2015
Required credits to graduate with this degree: 120
Required credits within the major: 42
Degree: Bachelor of Arts

The psychology curriculum focuses on understanding scientific methods and applying them to both human and non-human behaviors and mental processes. It provides students with methodological skills, practice in applying these skills, and an introduction to core areas of psychology. The major provides a comprehensive selection of courses that fully prepare students for a wide range of careers and graduate and professional studies.

The psychology curriculum is designed to ensure that students achieve the following goals:

Goal 1: Knowledge Base in Psychology
1.1 Understand the spectrum of psychological phenomena related to behavior and mental processes and how the environment (ranging from biological to sociocultural influences) affect both.
1.2 Obtain a knowledge of Psychology’s main content domains and applications

Goal 2: Scientific Inquiry and Critical thinking
2.1 Ability to use scientific reasoning to interpret psychological phenomena
2.2 Demonstrate psychology information literacy
2.3 Engage in innovative and integrative thinking and problem solving
2.4 Gain exposure to interpreting, designing, and conducting psychological research
2.5 Attain awareness of ethical issues in psychology

Goal 3: Communication
3.1 Demonstrate effective writing
3.2 Exhibit effective presentation skills
3.3 Exhibit effective discussion skills

Goal 4: Information and Technological Literacy
4.1 Exposure to psychological statistical packages
4.2 Ability to utilize databases related to psychology

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
PSY 1051 - Introduction to Psychology [SS] (4.0 cr)
PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SSR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SSR] (4.0 cr)
Take at least one course from each of the following areas. One course must be a designated lab course.

**Learning and Cognition**
Take 1 or more course(s) from the following:
- PSY 3101 - Learning Theory and Behavior Modification (4.0 cr)
- PSY 3111 - Sensation and Perception (4.0 cr)
- PSY 3112 - Cognition (4.0 cr)

**Biological and Comparative Psychology**
Take 1 or more course(s) from the following:
- PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
- PSY 3211 - Biological Psychology [SCI-L] (5.0 cr)
- PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
- PSY 3521 - Health Psychology (4.0 cr)

**Personality and Clinical Psychology**
Take 1 or more course(s) from the following:
- PSY 3302 - Personality (4.0 cr)
- PSY 3313 - Psychopathology (4.0 cr)
- PSY 3314 - Child and Adolescent Psychopathology (4.0 cr)
- PSY 4101 - Helping Relationships (4.0 cr)
- PSY 4301 - Clinical Assessment and Therapeutic Interventions (4.0 cr)

**Developmental Psychology**
Take 1 or more course(s) from the following:
- PSY 2411 - Introduction to Lifespan Developmental Psychology [SS] (4.0 cr)
- PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
- PSY 3401 - Developmental Psychology I: Child Psychology (4.0 cr)
- PSY 3402 - Developmental Psychology II: Adolescence and Emerging Adulthood (4.0 cr)
- PSY 3403 - Developmental Psychology III: Adulthood and Aging [E/CR] (4.0 cr)
- PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)

**Social and Applied Psychology**
Take 1 or more course(s) from the following:
- PSY 3501 - Social Psychology (4.0 cr)
- PSY 3502 - Psychology and Law (4.0 cr)
- PSY 3503 - Consumer Behavior [SS] (4.0 cr)
- PSY 3504 - Educational Psychology (4.0 cr)
- PSY 3513 - Negotiation (4.0 cr)
- PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
- PSY 3701 - Organizational Behavior [SS] (4.0 cr)

**Advanced Seminar in Psychology**
Take exactly 1 course(s) from the following:
- PSY 4910 - Advanced Seminar in Learning or Cognitive Psychology (4.0 cr)
- PSY 4920 - Advanced Seminar in Biological or Comparative Psychology (4.0 cr)
- PSY 4930 - Advanced Seminar in Personality or Clinical Psychology (4.0 cr)
- PSY 4940 - Advanced Seminar in Developmental Psychology (4.0 cr)
- PSY 4950 - Advanced Seminar in Social Psychology (4.0 cr)
- PSY 4960 - Advanced Seminar in Health Psychology (4.0 cr)
- PSY 4970 - Advanced Seminar in Psychology (4.0 cr)

**Elective Courses**
Additional elective credits to total at least 42 credits in the major (including required courses). Electives may be selected from any category above (except advanced seminars), and the following:
Take 1 or more course(s) from the following:
- IS 3800 - Practicum in Social Sciences (1.0 - 2.0 cr)
- POL 3263 - Political Psychology [SS] (4.0 cr)
- PSY 2112 - Psycholinguistics [SS] (4.0 cr)
- PSY 2581 - Drugs and Human Behavior [SS] (2.0 cr)
- PSY 2612 - Environmental Psychology [ENVT] (4.0 cr)
- PSY 2993 - Directed Study (1.0 - 5.0 cr)
- PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
- PSY 3261 - Human Sexuality (4.0 cr)
- PSY 3315 - Parenting and Family Therapy (4.0 cr)
- PSY 3611 - History and Philosophy of Psychology [HIST] (4.0 cr)
- PSY 3800 - Research Practicum (1.0 - 12.0 cr)
- PSY 3993 - Directed Study (1.0 - 5.0 cr)
- PSY 4102 - Intro to Prof Conduct, Legal Constraints, Ethics in Human Services [E/CR] (2.0 cr)
- PSY 4770 - Empirical Investigations in Psychology (4.0 cr)
- PSY 4771 - Independent Research in Psychology (1.0 - 6.0 cr)
• PSY 4896 - Field Experiences in Psychology (1.0 - 4.0 cr)
• PSY 4993 - Directed Study (1.0 - 5.0 cr)
• STAT 3601 - Data Analysis [M/SR] (4.0 cr)
• STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)
Morris Campus
Psychology Minor
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 30

The psychology curriculum focuses on understanding scientific methods and applying them to both human and non-human behaviors and mental processes. It provides students with methodological skills, practice in applying these skills, and an introduction to core areas of psychology. The major provides a comprehensive selection of courses that fully prepare students for a wide range of careers and graduate and professional studies.

The psychology curriculum is designed to ensure that students achieve the following goals:

Goal 1: Knowledge Base in Psychology
1.1 Understand the spectrum of psychological phenomena related to behavior and mental processes and how the environment (ranging from biological to sociocultural influences) affect both.
1.2 Obtain a knowledge of Psychology's main content domains and applications

Goal 2: Scientific Inquiry and Critical thinking
2.1 Ability to use scientific reasoning to interpret psychological phenomena
2.2 Demonstrate psychology information literacy
2.3 Engage in innovative and integrative thinking and problem solving
2.4 Gain exposure to interpreting, designing, and conducting psychological research
2.5 Attain awareness of ethical issues in psychology

Goal 3: Communication
3.1 Demonstrate effective writing
3.2 Exhibit effective presentation skills
3.3 Exhibit effective discussion skills

Goal 4: Information and Technological Literacy
4.1 Exposure to psychological statistical packages
4.2 Ability to utilize databases related to psychology

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
- PSY 1051 - Introduction to Psychology [SS] (4.0 cr)
- PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)
- STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

At least one course from four of the five following areas. One must be a designated lab course.

Learning and Cognition
- Take 0 - 1 course(s) from the following:
  - PSY 3101 - Learning Theory and Behavior Modification (4.0 cr)
  - PSY 3111 - Sensation and Perception (4.0 cr)
  - PSY 3112 - Cognition (4.0 cr)

Biological and Comparative Psychology
Take 0 - 1 course(s) from the following:

- **PSY 3201** - Comparative Psychology [SCI-L] (4.0 cr)
- **PSY 3211** - Biological Psychology [SCI-L] (5.0 cr)
- **PSY 3221** - Behavioral Biology of Women [SCI] (4.0 cr)
- **PSY 3521** - Health Psychology (4.0 cr)

**Personality and Clinical Psychology**

Take 0 - 1 course(s) from the following:

- **PSY 3302** - Personality (4.0 cr)
- **PSY 3313** - Psychopathology (4.0 cr)
- **PSY 3314** - Child and Adolescent Psychopathology (4.0 cr)
- **PSY 4101** - Helping Relationships (4.0 cr)
- **PSY 4301** - Clinical Assessment and Therapeutic Interventions (4.0 cr)

**Developmental Psychology**

Take 0 - 1 course(s) from the following:

- **PSY 2411** - Introduction to Lifespan Developmental Psychology [SS] (4.0 cr)
- **PSY 3051** - The Psychology of Women and Gender [HDIV] (4.0 cr)
- **PSY 3401** - Developmental Psychology I: Child Psychology (4.0 cr)
- **PSY 3402** - Developmental Psychology II: Adolescence and Emerging Adulthood (4.0 cr)
- **PSY 3403** - Developmental Psychology III: Adulthood and Aging [E/CR] (4.0 cr)
- **PSY 3404** - Culture and Human Development [HDIV] (4.0 cr)

**Social and Applied Psychology**

Take 0 - 1 course(s) from the following:

- **PSY 3501** - Social Psychology (4.0 cr)
- **PSY 3502** - Psychology and Law (4.0 cr)
- **PSY 3503** - Consumer Behavior [SS] (4.0 cr)
- **PSY 3504** - Educational Psychology (4.0 cr)
- **PSY 3513** - Negotiation (4.0 cr)
- **PSY 3542** - Multicultural Psychology [HDIV] (4.0 cr)
- **PSY 3701** - Organizational Behavior [SS] (4.0 cr)

**Elective Courses**

Additional elective credits to total at least 30 credits in the minor (including required courses). Electives may be selected from any category above and the following:

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

- **IS 3800** - Practicum in Social Sciences (1.0 - 2.0 cr)
- **POL 3263** - Political Psychology [SS] (4.0 cr)
- **PSY 2112** - Psycholinguistics [SS] (4.0 cr)
- **PSY 2581** - Drugs and Human Behavior [SS] (2.0 cr)
- **PSY 2612** - Environmental Psychology [ENVT] (4.0 cr)
- **PSY 2993** - Directed Study (1.0 - 5.0 cr)
- **PSY 3051** - The Psychology of Women and Gender [HDIV] (4.0 cr)
- **PSY 3315** - Parenting and Family Therapy (4.0 cr)
- **PSY 3611** - History and Philosophy of Psychology [HIST] (4.0 cr)
- **PSY 3800** - Research Practicum (1.0 - 12.0 cr)
- **PSY 3993** - Directed Study (1.0 - 5.0 cr)
- **PSY 4102** - Intro to Prof Conduct, Legal Constraints, Ethics in Human Services [E/CR] (2.0 cr)
- **PSY 4770** - Empirical Investigations in Psychology (4.0 cr)
- **PSY 4771** - Independent Research in Psychology (1.0 - 6.0 cr)
- **PSY 4896** - Field Experiences in Psychology (1.0 - 4.0 cr)
- **PSY 4993** - Directed Study (1.0 - 5.0 cr)
- **STAT 3601** - Data Analysis [M/SR] (4.0 cr)
- **STAT 3611** - Multivariate Statistical Analysis [M/SR] (4.0 cr)
Morris Campus
Social Science B.A.
Division of Social Sciences - Adm
Division of Social Sciences

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 120
• Required credits within the major: 54 to 60
• Degree: Bachelor of Arts

Objectives—Students will understand how each social science discipline structures and advances knowledge, raises and answers analytical questions, and deals with competing theories and the changing nature of the field. Students develop a sub-plan in a single discipline or an interdisciplinary social science area within the major.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students work closely with their advisers to plan a program that satisfies the required competencies in a chosen sub-plan and in the social science disciplines. The sub-plan most often is demonstrated by completing the minor in that discipline. Program plans must be on file with the Social Sciences Division Office by the completion of a student's junior year.

No grades below C- are allowed. Courses for the major and in the sub-plan may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
While the programs of individual students may vary, based upon arrangements approved by the divisional committee for the social science major, the minimum competencies required for each discipline normally may be achieved by completion of the following courses and a sub-plan:
ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
ECON 1111 - Principles of Microeconomics [SS] (4.0 cr)
ECON 1112 - Principles of Macroeconomics [SS] (4.0 cr)
GEOG 2001 - Problems in Geography [ENVT] (4.0 cr)
HIST 1111 - Introduction to World History [HIST] (4.0 cr)
HIST 1301 - Introduction to U.S. History [HIST] (4.0 cr)
POL 1201 - American Government and Politics [E/CR] (4.0 cr)
PSY 1051 - Introduction to Psychology [SS] (4.0 cr)
SOC 1101 - Introductory Sociology [SS] (4.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
or Equivalent proficiency in statistics approved by the divisional committee for the social science major.
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.)

Anthropology

This sub-plan requires a total of 20 credits.

**Required Courses**

- ANTH 2101 - Biological Anthropology [SCI-L] (5.0 cr)
- ANTH 2103 - Archaeology [SS] (4.0 cr)
- ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)

**Elective Courses**

An additional 8 credits (exclusive of those used to complete required courses) in anthropology and sociology; 4 of which must be in courses 2xxx or above. No more than 4 credits can be from SOC courses. No more than 4 credits can be from IS 3796.

Take at most 4 credit(s) from the following:

- ANTH 1812 - Human Societies: Past and Present, Fact and Fiction [IC] (4.0 cr)
- ANTH 1813 - Culture on TV: An Introduction to Anthropology [IC] (2.0 cr)
- ANTH 2xxx
- ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
- ANTH 2204 - Anthropology of Education: Learning and Schooling in Ethnographic Perspective [SS] (4.0 cr)
- ANTH 2206 - Sex, Marriage, and Family [HDIV] (4.0 cr)
- ANTH 2xxx
- SOC 1811 - Global Sociology: Migration, Economic Globalization, Class, and Gender Inequality [IC] (2.0 cr)
- SOC 1812 - Human Rights in the Age of Globalization [IC] (2.0 cr)
- SOC 1813 - Political Economy of "Natural" Disaster [IC] (2.0 cr)
- SOC 1814 - Water Unites, Water Divides: Sharing Water in the 21st Century [IC] (2.0 cr)
- SOC 1xxx
- SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
- SOC 2xxx

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

- ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
- ANTH 3455 - North American Archaeology (4.0 cr)
- ANTH 3502 - Latinos in the Midwest [SS] (4.0 cr)
- ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
- ANTH 3602 - Women in Latin America [IP] (4.0 cr)
- ANTH 3603 - Latin American Archaeology (4.0 cr)
- ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
- ANTH 3704 - Anthropological Genetics (4.0 cr)
- ANTH 3xxx
- ANTH 4501 - Archaeological Fieldschool [SS] (4.0 cr)
- ANTH 4xxx
- IS 3796 - Interdisciplinary Internship in the Helping Professions (1.0 - 16.0 cr)

**Sociology Electives**

Take at most 4 credit(s) from the following:

- SOC 3103 - Research Methodology in Sociology (4.0 cr)
- SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
- SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
- SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
- SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
- SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
- SOC 3124 - Sociology of Law (4.0 cr)
- SOC 3125 - Terrorism, Law, and the State [SS] (4.0 cr)
- SOC 3131 - World Population [ENVT] (4.0 cr)
- SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
- SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- SOC 3251 - African Americans [HDIV] (4.0 cr)
- SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
- SOC 3403 - Sociological Theory (4.0 cr)
- SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
- SOC 3602 - Women in Latin America [IP] (4.0 cr)
- SOC 3xxx
- SOC 4xxx
Economics
This sub-plan requires a total of 19 credits.

Required Courses
- ECON 3201 - Microeconomic Theory [SS] (4.0 cr)
- ECON 3202 - Macroeconomic Theory [SS] (4.0 cr)
- MATH 1101 - Calculus I [M/SR] (5.0 cr)

Elective Courses
No more than 4 credits from each of the following can be applied to the sub-plan:
- ECON x993 - Directed Study
- ECON 4501 - Senior Research Seminar in Economics and Management

Take 6 or more credit(s) from the following:
- ECON 3005 - Experimental and Behavioral Economics I [SS] (2.0 cr)
- ECON 3006 - Experimental and Behavioral Economics II [SS] (2.0 cr)
- ECON 3007 - Environmental and Natural Resource Economics I [ENVT] (2.0 cr)
- ECON 3008 - Environmental and Natural Resource Economics II [ENVT] (2.0 cr)
- ECON 3009 - Political Economy [SS] (4.0 cr)
- ECON 3011 - Cost-Benefit Analysis [ENVT] (4.0 cr)
- ECON 3014 - Game Theory: The Theory of Strategic Behavior I [SS] (2.0 cr)
- ECON 3015 - Game Theory: The Theory of Strategic Behavior II [SS] (2.0 cr)
- ECON 3113 - Money, Banking, and Financial Markets [SS] (4.0 cr)
- ECON 3121 - Public Economics I [SS] (2.0 cr)
- ECON 3122 - Public Economics II [SS] (2.0 cr)
- ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
- ECON 3133 - Economics of China [IP] (2.0 cr)
- ECON 3134 - Cooperative Business Model [SS] (2.0 cr)
- ECON 3141 - Economic Development and Growth I [IP] (2.0 cr)
- ECON 3142 - Economic Development and Growth II [IP] (2.0 cr)
- ECON 3153 - Contemporary Global Economic Issues [IP] (2.0 cr)
- ECON 3211 - History of Economic Thought I [HIST] (2.0 cr)
- ECON 3212 - History of Economic Thought II [HIST] (2.0 cr)
- ECON 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
- ECON 3501 - Introduction to Econometrics [M/SR] (4.0 cr)
- ECON 3993 - Directed Study (1.0 - 5.0 cr)
- ECON 3xxx
- ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
- ECON 4102 - Labor Economics II (2.0 cr)
- ECON 4111 - Mathematical Economics I (2.0 cr)
- ECON 4112 - Mathematical Economics II (2.0 cr)
- ECON 4121 - International Trade Theory (2.0 cr)
- ECON 4131 - International Finance (2.0 cr)
- ECON 4141 - Empirics of Economic Growth (2.0 cr)
- ECON 4501 - Senior Research Seminar in Economics and Management (2.0 cr)
- ECON 4993 - Directed Study (1.0 - 5.0 cr)
- ECON 4xxx

History
This sub-plan requires a total of 20 credits.

Electives
An additional 16 credits in history of which 12 credits are at 2xxx or above. There should be evidence of work in at least three (3) of the following areas: Asia, Europe, Middle East/Africa, Latin America, Native America/Indigenous, and United States. Directed Studies (X993) may be used in any of the areas if content is appropriate and approved by their major adviser.

Take 16 or more credit(s) including 3 or more sub-requirements(s) from the following:

Geographical Areas - 1xxx
Take at most 4 credit(s) from the following:
- Asia
  - HIST 1501 - Introduction to East Asian History: China, Japan, and Korea before 1800. [HIST] (4.0 cr)
- Latin America
  - HIST 1601 - Latin American History: A Basic Introduction [IP] (4.0 cr)
- United States
  - HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)

Geographical Areas - 2xxx or above
Take 12 or more credit(s) from the following:
Asia
- HIST 2551 - Modern Japan [HIST] (4.0 cr)
or HIST 2552 - History of Modern China [HIST] (4.0 cr)
or HIST 2557 - History of Southeast Asia [HIST] (4.0 cr)
or HIST 3557 - East Asia Since 1800 [IP] (4.0 cr)

Europe
- HIST 2103 - Medieval Europe [HIST] (4.0 cr)
or HIST 2151 - Modern Europe [HIST] (4.0 cr)
or HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
or HIST 2708 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
or HIST 3101 - Renaissance and Reformation [HIST] (4.0 cr)
or HIST 3102 - Early Modern Europe [HIST] (4.0 cr)
or HIST 3161 - The Enlightenment [HIST] (4.0 cr)
or HIST 3162 - The Scottish Enlightenment: Markets, Minds, and Morals [IP] (4.0 cr)
or HIST 3176 - Berlin as a Site of History [HIST] (4.0 cr)
or HIST 3177 - Virtue and Vice in Amsterdam: From the Golden Age to the Global Age [IP] (4.0 cr)
or HIST 3204 - Nazi Germany [HIST] (4.0 cr)
or HIST 3207 - The Crusades [IP] (4.0 cr)
or HIST 3209 - Modern Germany [HIST] (4.0 cr)
or HIST 3211 - Modern France [HIST] (4.0 cr)
or HIST 3213 - Modern Britain: Society, Culture and Politics [HIST] (4.0 cr)

Middle East/Africa
- HIST 3008 - The Making of the Islamic World [HDIV] (4.0 cr)

Latin America
- HIST 2608 - History of Cuba: From Colony to Revolutionary State [HIST] (4.0 cr)
or HIST 2609 - History of Brazil: From Sugar to Sugar Cars [HIST] (4.0 cr)
or HIST 3601 - Great Books in Latin American History [IP] (4.0 cr)
or HIST 3612 - Social Revolution in 20th-Century Latin America [HIST] (4.0 cr)
or HIST 3613 - U.S.-Latin American Relations in Historical Perspective [IP] (4.0 cr)
or HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)

Native American/Indigenous
- HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
or HIST 2451 - The American West [HIST] (4.0 cr)
or HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)

United States
- HIST 2352 - The U.S. 1960s [HIST] (4.0 cr)
or HIST 2452 - Minnesota History [HIST] (4.0 cr)
or HIST 3303 - Creation of the American Republic [HIST] (4.0 cr)
or HIST 3304 - Race, Class, and Gender in American History [HDIV] (4.0 cr)
or HIST 3351 - The U.S. Presidency Since 1900 [SS] (4.0 cr)
or HIST 3353 - World War II [HIST] (4.0 cr)
or HIST 3355 - United States in Transition, 1877-1920 [HIST] (4.0 cr)
or HIST 3356 - Civil Rights Movement, 1954-1974 [HIST] (4.0 cr)
or HIST 3358 - Civil War and Reconstruction [HIST] (4.0 cr)
or HIST 3360 - American Experience in World War II [HIST] (4.0 cr)
or HIST 3361 - An Environmental and Geographic History of the United States [ENVT] (4.0 cr)
or HIST 3453 - The American Presidency, 1789-1900 [HIST] (4.0 cr)
or HIST 3455 - American Immigration [HIST] (4.0 cr)
or HIST 3456 - History of Religion in America [HIST] (4.0 cr)
or HIST 3464 - History of Suburban America [HIST] (4.0 cr)
or HIST 3465 - History of the American Family [HIST] (4.0 cr)

Gender, Women, and Sexuality Studies
This sub-plan requires a total of 24 credits.

Required Courses
GWSS 1101 - Introduction to Gender, Women, and Sexuality Studies [HDIV] (4.0 cr)

Elective Courses
An additional 16 or more credits from primary GWSS content courses, and up to 4 credits from partial GWSS content courses. Courses must be from at least three different disciplines.

Note: Some of the courses carry prerequisites.

Primarily Gender, Women, and Sexuality Content
Take 16 or more credit(s) from the following:
- ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
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<th>Credits</th>
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<td>Women in Latin America [IP]</td>
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<td>Women and Art [FA]</td>
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<td>ENGL 2031</td>
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<td>Feminist Theory [HDIV]</td>
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<td>Troubling Genders in African Cinema [HUM]</td>
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<td>PHIL 2141</td>
<td>Analytic Feminism [HUM]</td>
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<td>POL 3303</td>
<td>Feminist Political Theory [SS]</td>
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<td>Human Sexuality</td>
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<td>Seminar: Literature and Gender in Nineteenth-Century Spain [HUM]</td>
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**Partial Gender, Women, and Sexuality Content**

Partial Gender, Women, and Sexuality Content

Take at most 4 credit(s) from the following:

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<td>ARTS 3014</td>
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<td>ECON 4101</td>
<td>Labor Economics I [HDIV]</td>
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<td>ENGL 2411</td>
<td>Representations of American Indians in Popular and Academic Culture [HDIV]</td>
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<td>The Rise of the Novel</td>
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<td>ENGL 3154</td>
<td>19th-Century British Fiction</td>
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<td>ENGL 3168</td>
<td>Victorian Literature and Culture</td>
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<td>ENGL 3301</td>
<td>U.S. Multicultural Literature [HDIV]</td>
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<td>American Indian Literature [HDIV]</td>
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<td>Critical Approaches to Literature</td>
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<td>ENGL 3444</td>
<td>Holocaust Literature and Film [IP]</td>
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<td>Harlem Renaissance [HDIV]</td>
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<td>Research Seminar: Renaissance Romance [HDIV]</td>
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<td>Research Seminar: The Adventure Novel in American and British Literature [IP]</td>
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<td>Modern Studies: The Modern Body in France [SS]</td>
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<td>French Cinema [IP]</td>
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<td>FREN 1311</td>
<td>Sub-Saharan Francophone Cinema [IP]</td>
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<td>FREN 3603</td>
<td>Francophone Studies: Contes francophones [IP]</td>
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<td>Medieval Europe [HIST]</td>
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<td>The Making of the Islamic World [HDIV]</td>
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<td>HIST 3207</td>
<td>The Crusades [IP]</td>
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<td>Professional Ethics [E/CR]</td>
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<td>PSY 3542</td>
<td>Multicultural Psychology [HDIV]</td>
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<td>Seminar: Writing History in Spanish American Literature [HUM]</td>
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<td>SPAN 3687</td>
<td>Seminar: Afro-Hispanic Literature and Culture [HDIV]</td>
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</table>

**Political Science**

This sub-plan requires a total of 20 credits.

**Elective Courses**

An additional 16 credits (exclusive of those used to complete required courses); 8 of which must be in courses above 2xxx.

**Elective Courses - 1xxx-2xxx**

Take at most 8 credit(s) from the following:
• POL 1101 - Introduction to Political Theory [E/CR] (4.0 cr)
• POL 1202 - Law and Society: Introduction to Public Law [SS] (4.0 cr)
• POL 1401 - World Politics [IP] (4.0 cr)
• POL 1xxx
• POL 2xxx

Elective Courses - 3xxx or above
Take 8 or more credit(s) from the following:
• POL 2001 - Political Science Research Methods [SS] (4.0 cr)
• POL 2221 - The American Judicial Process [SS] (2.0 cr)
• POL 2222 - The U.S. Supreme Court [SS] (2.0 cr)
• POL 2234 - Race, Class and Power: Social Movements in U.S. Politics [HDIV] (2.0 cr)
• POL 2235 - Race, Class and Power: Interest Groups in U.S. Politics [HDIV] (2.0 cr)
• POL 2261 - States: Laboratories of American Democracy [E/CR] (2.0 cr)
• POL 2262 - Power and Politics in American Cities and Communities [E/CR] (2.0 cr)
• POL 2301 - Anarchy and Utopia [HUM] (2.0 cr)
• POL 2302 - Gandhi and the Politics of Resistance [SS] (2.0 cr)
• POL 2354 - Political Ethics [E/CR] (4.0 cr)
• POL 2401 - U.S. Foreign Policy [IP] (4.0 cr)
• POL 2411 - The United Nations: Simulated Negotiations [IP] (2.0 cr)
• POL 2461 - Diplomatic Negotiation [IP] (4.0 cr)
• POL 2501 - East Asian Society and Politics [SS] (4.0 cr)
• POL 3201 - Legislative Process [SS] (4.0 cr)
• POL 3211 - The American Presidency [SS] (4.0 cr)
• POL 3231 - Constitutional Law: Civil Liberties and Civil Rights [HDIV] (4.0 cr)
• POL 3232 - Constitutional Law: Governmental Powers and Constraints [SS] (4.0 cr)
• POL 3251 - Political Participation and Voting Behavior [SS] (4.0 cr)
• POL 3263 - Political Psychology [SS] (4.0 cr)
• POL 3266 - Media and Politics [SS] (4.0 cr)
• POL 3272 - Making Environmental Public Policy [ENVT] (4.0 cr)
• POL 3302 - Islamic Political Thought [SS] (2.0 cr)
• POL 3303 - Feminist Political Theory [SS] (2.0 cr)
• POL 3351 - Ancient and Medieval Political Thought [HUM] (4.0 cr)
• POL 3352 - Modern Political Thought [HUM] (4.0 cr)
• POL 3355 - Environmental Political Theory [ENVT] (4.0 cr)
• POL 3411 - International Law [E/CR] (4.0 cr)
• POL 3451 - Comparative Foreign Policy (4.0 cr)
• POL 3453 - Russian Politics and Foreign Policy [IP] (4.0 cr)
• POL 3475 - International Human Rights (4.0 cr)
• POL 3504 - Latin American Politics (4.0 cr)
• POL 3996 - Field Study in Political Science (1.0 - 16.0 cr)
• POL 3xxx
• POL 4205 - Seminar in American Politics (4.0 cr)
• POL 4305 - Seminar in Political Theory (4.0 cr)
• POL 4405 - Seminar in Comparative Politics and International Relations (4.0 cr)
• POL 4xxx

Psychology
This sub-plan requires a total of 22 credits.

Required Courses
In addition to PSY 2001, students must complete at least one course from four of the five areas. One must be a designated lab course.
PSY 2001 - Research Methods in Psychology [SS] (4.0 cr)

Learning and Cognition
Take 0 or more course(s) from the following:
• PSY 3101 - Learning Theory and Behavior Modification (4.0 cr)
• PSY 3111 - Sensation and Perception (4.0 cr)
• PSY 3112 - Cognition (4.0 cr)

Biological and Comparative Psychology
Take 0 or more course(s) from the following:
• PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
• PSY 3211 - Biological Psychology [SCI-L] (5.0 cr)
• PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
• PSY 3521 - Health Psychology (4.0 cr)

Personality and Clinical Psychology
Take 0 or more course(s) from the following:
• PSY 3302 - Personality (4.0 cr)
• PSY 3313 - Psychopathology (4.0 cr)
• PSY 3314 - Child and Adolescent Psychopathology (4.0 cr)
• PSY 4101 - Helping Relationships (4.0 cr)
• PSY 4301 - Clinical Assessment and Therapeutic Interventions (4.0 cr)

Developmental Psychology
Take 0 or more course(s) from the following:
• PSY 2411 - Introduction to Lifespan Developmental Psychology [SS] (4.0 cr)
• PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
• PSY 3401 - Developmental Psychology I: Child Psychology (4.0 cr)
• PSY 3402 - Developmental Psychology II: Adolescence and Emerging Adulthood (4.0 cr)
• PSY 3403 - Developmental Psychology III: Adulthood and Aging [E/CR] (4.0 cr)
• PSY 3404 - Culture and Human Development [HDIV] (4.0 cr)

Social and Applied Psychology
Take 0 or more course(s) from the following:
• PSY 3501 - Social Psychology (4.0 cr)
• PSY 3502 - Psychology and Law (4.0 cr)
• PSY 3503 - Consumer Behavior [SS] (4.0 cr)
• PSY 3504 - Educational Psychology (4.0 cr)
• PSY 3513 - Negotiation (4.0 cr)
• PSY 3542 - Multicultural Psychology [HDIV] (4.0 cr)
• PSY 3701 - Organizational Behavior [SS] (4.0 cr)

Elective Courses
Additional elective credits to total at least 22 credits in the psychology sub-plan (including required courses). Electives may be selected from any category above and the following:
Take 0 or more course(s) from the following:
• IS 3800 - Practicum in Social Sciences (1.0 - 2.0 cr)
• POL 3263 - Political Psychology [SS] (4.0 cr)
• PSY 2112 - Psycholinguistics [SS] (4.0 cr)
• PSY 2581 - Drugs and Human Behavior [SS] (2.0 cr)
• PSY 2612 - Environmental Psychology [ENVT] (4.0 cr)
• PSY 2993 - Directed Study (1.0 - 5.0 cr)
• PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
• PSY 3315 - Parenting and Family Therapy (4.0 cr)
• PSY 3611 - History and Philosophy of Psychology [HIST] (4.0 cr)
• PSY 3800 - Research Practicum (1.0 - 12.0 cr)
• PSY 3993 - Directed Study (1.0 - 5.0 cr)
• PSY 4102 - Intro to Prof Conduct, Legal Constraints, Ethics in Human Services [E/CR] (2.0 cr)
• PSY 4770 - Empirical Investigations in Psychology (4.0 cr)
• PSY 4771 - Independent Research in Psychology (1.0 - 6.0 cr)
• PSY 4896 - Field Experiences in Psychology (1.0 - 4.0 cr)
• PSY 4993 - Directed Study (1.0 - 5.0 cr)
• STAT 3601 - Data Analysis [M/SR] (4.0 cr)
• STAT 3611 - Multivariate Statistical Analysis [M/SR] (4.0 cr)

Sociology
This sub-plan requires a total of 20 credits.

Required Courses
SOC 3103 - Research Methodology in Sociology (4.0 cr)
SOC 3403 - Sociological Theory (4.0 cr)

Elective Courses
No more than 4 credits of the 12 elective credits required for the sub-plan can be from ANTH courses. No more than 4 cr can be from IS 3796. SOC 4991 is strongly recommended.
Take at most 4 credit(s) from the following:
• ANTH 2101 - Biological Anthropology [SCI-L] (5.0 cr)
• ANTH 2103 - Archaeology [SS] (4.0 cr)
• ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
• ANTH 2206 - Sex, Marriage, and Family [HDIV] (4.0 cr)
• ANTH 2xxx
• ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
• ANTH 3455 - North American Archaeology (4.0 cr)
• ANTH 3502 - Latinos in the Midwest [SS] (4.0 cr)
• ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• ANTH 3602 - Women in Latin America [IP] (4.0 cr)
• ANTH 3603 - Latin American Archaeology (4.0 cr)
• ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
• ANTH 3704 - Anthropological Genetics (4.0 cr)
• ANTH 3xxx
• ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
• ANTH 4901 - Seminar in Anthropological Theory (4.0 cr)
• ANTH 4xxx
• IS 3796 - Interdisciplinary Internship in the Helping Professions (1.0 - 16.0 cr)

Take 8 or more credit(s) from the following:
• SOC 1811 - Global Sociology: Migration, Economic Globalization, Class, and Gender Inequality [IC] (2.0 cr)
• SOC 1812 - Human Rights in the Age of Globalization [IC] (2.0 cr)
• SOC 1813 - Political Economy of "Natural" Disaster [IC] (2.0 cr)
• SOC 1814 - Water Unites, Water Divides: Sharing Water in the 21st Century [IC] (2.0 cr)
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 2xxx
• SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law (4.0 cr)
• SOC 3125 - Terrorism, Law, and the State [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• SOC 3251 - African Americans [HDIV] (4.0 cr)
• SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SOC 3xxx
• SOC 4991 - Sociology Independent Project Seminar (4.0 cr)
• SOC 4xxx

Management
This sub-plan requires a total of 18 credits.

Required Courses
MGMT 2101 - Principles of Accounting I (4.0 cr)
MGMT 2102 - Principles of Accounting II (2.0 cr)

Elective Courses
No more than 4 credits from each of the following can be applied to the sub-plan:
ECON 4501 - Senior Research Seminar in Economics and Management
MGMT x993 - Directed Study
Take 12 or more credit(s) from the following:
• MGMT 3101 - Financial Management [SS] (4.0 cr)
• MGMT 3102 - Financial Institutions [SS] (2.0 cr)
• MGMT 3123 - Managerial Economics [SS] (4.0 cr)
• MGMT 3133 - Managerial Accounting (4.0 cr)
• MGMT 3134 - Cooperative Business Model (2.0 cr)
• MGMT 3141 - Business Law I (2.0 cr)
• MGMT 3142 - Business Law II (2.0 cr)
• MGMT 3151 - Human Resources Management I [E/CR] (2.0 cr)
• MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
• MGMT 3161 - Labor Management Relations I [E/CR] (2.0 cr)
• MGMT 3162 - Labor Management Relations II [SS] (2.0 cr)
• MGMT 3171 - Leadership in Organizations [SS] (2.0 cr)
• MGMT 3201 - Marketing Principles and Strategy [SS] (4.0 cr)
• MGMT 3221 - Management and Organization Theory [SS] (4.0 cr)
• MGMT 3351 - Globalization: Examining India's Social and Economic Development [IP] (4.0 cr)
• MGMT 3352 - Emerging Markets in Asia [IP] (4.0 cr)
• MGMT 3501 - Applied Deterministic Modeling for Management Science (2.0 cr)
• MGMT 3502 - Applied Probabilistic Modeling for Management Science (2.0 cr)
• MGMT 3503 - Consumer Behavior [SS] (4.0 cr)
• MGMT 3513 - Negotiation (4.0 cr)
• MGMT 3601 - Transnational Enterprise [IP] (4.0 cr)
• MGMT 3701 - Organizational Behavior [SS] (4.0 cr)
• MGMT 3993 - Directed Study (1.0 - 5.0 cr)
• MGMT 3xxx
• MGMT 4101 - Investment and Portfolio Analysis (4.0 cr)
• MGMT 4201 - The Economics of Corporate Strategy I (2.0 cr)
• MGMT 4202 - The Economics of Corporate Strategy II (2.0 cr)
• MGMT 4501 - Globalization and Business Strategy (2.0 cr)
• MGMT 4502 - Technological Change, Labor Market, and Skill Formation (2.0 cr)
• MGMT 4505 - International Managerial Finance (2.0 cr)
• MGMT 4601 - Advanced Topics in Financial Economics (2.0 cr)
• MGMT 4602 - Long-Term Financing (2.0 cr)
• MGMT 4603 - Working Capital Management (2.0 cr)
• MGMT 4896 - Internship (1.0 - 4.0 cr)
• MGMT 4993 - Directed Study (1.0 - 5.0 cr)
• MGMT 4xxx
Morris Campus
Sociology B.A.
Division of Social Sciences - Adm
Division of Social Sciences

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 36
- Degree: Bachelor of Arts

Objectives--The sociology curriculum (with support from anthropology courses) is designed to acquaint students with the concerns, theories, and methods of the science that deals with groups, culture, and interpersonal relations of human beings. In addition to an introduction to sociology as a science, an effort is made to relate human values to the theories, methods, and data of sociology. Courses are designed to meet the needs of liberal arts students, as well as students preparing for graduate school.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Students develop a coherent program of study in consultation with their major adviser generally no later than the spring semester of their sophomore year.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
The discipline strongly recommends STAT 1601.
SOC 1101 - Introductory Sociology [SS] (4.0 cr)
SOC 3103 - Research Methodology in Sociology (4.0 cr)
SOC 3403 - Sociological Theory (4.0 cr)
SOC 4991 - Sociology Independent Project Seminar (4.0 cr)

Elective Courses
No more than 8 credits of the 20 elective credits required for the major can be from ANTH courses. No more than 4 cr can be from IS 3796.
Take 20 or more credit(s) from the following:
Take 12 or more credit(s) from the following:
- SOC 1811 - Global Sociology: Migration, Economic Globalization, Class, and Gender Inequality [IC] (2.0 cr)
- SOC 1812 - Human Rights in the Age of Globalization [IC] (2.0 cr)
- SOC 1813 - Political Economy of "Natural" Disaster [IC] (2.0 cr)
- SOC 1814 - Water Unites, Water Divides: Sharing Water in the 21st Century [IC] (2.0 cr)
- SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
- SOC 2xxx
- SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law (4.0 cr)
• SOC 3125 - Terrorism, Law, and the State [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• SOC 3251 - African Americans [HDIV] (4.0 cr)
• SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SOC 3xxx
• SOC 4xxx
• Take at most 8 credit(s) from the following:
  • ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
  • ANTH 2101 - Biological Anthropology [SCI-L] (5.0 cr)
  • ANTH 2103 - Archaeology [SS] (4.0 cr)
  • ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
  • ANTH 2206 - Sex, Marriage, and Family [HDIV] (4.0 cr)
  • ANTH 2xxx
  • ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
  • ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
  • ANTH 3455 - North American Archaeology (4.0 cr)
  • ANTH 3502 - Latinos in the Midwest [SS] (4.0 cr)
  • ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
  • ANTH 3602 - Women in Latin America [IP] (4.0 cr)
  • ANTH 3603 - Latin American Archaeology (4.0 cr)
  • ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
  • ANTH 3704 - Anthropological Genetics (4.0 cr)
  • ANTH 3xxx
  • ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
  • ANTH 4901 - Seminar in Anthropological Theory (4.0 cr)
  • ANTH 4xxx
• IS 3796 - Interdisciplinary Internship in the Helping Professions (1.0 - 16.0 cr)
Morris Campus
Sociology Minor
Division of Social Sciences - Adm
Division of Social Sciences

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2015
• Required credits in this minor: 24

Objectives--The sociology curriculum (with support from anthropology courses) is designed to acquaint students with the concerns, theories, and methods of the science that deals with groups, culture, and interpersonal relations of human beings. In addition to an introduction to sociology as a science, an effort is made to relate human values to the theories, methods, and data of sociology. Courses are designed to meet the needs of liberal arts students, as well as students preparing for graduate school.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
Up to 4 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
SOC 1101 - Introductory Sociology [SS] (4.0 cr)
SOC 3103 - Research Methodology in Sociology (4.0 cr)
SOC 3403 - Sociological Theory (4.0 cr)

Elective Courses
No more than 4 credits of the 12 elective credits required for the minor can be from ANTH courses. No more than 4 cr can be from IS 3796.

SOC 4991 is strongly recommended.
Take 12 or more credit(s) from the following:
• SOC 1811 - Global Sociology: Migration, Economic Globalization, Class, and Gender Inequality [IC] (2.0 cr)
• SOC 1812 - Human Rights in the Age of Globalization [IC] (2.0 cr)
• SOC 1813 - Political Economy of "Natural" Disaster [IC] (2.0 cr)
• SOC 1814 - Water Unites, Water Divides: Sharing Water in the 21st Century [IC] (2.0 cr)
• SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
• SOC 2xxx
• SOC 3111 - Sociology of Modernization [IP] (4.0 cr)
• SOC 3112 - Sociology of the Environment and Social Development [ENVT] (4.0 cr)
• SOC 3121 - Sociology of Gender and Sexuality [HDIV] (4.0 cr)
• SOC 3122 - Sociology of Childhoods [HDIV] (4.0 cr)
• SOC 3123 - Sociology of Aging [HDIV] (4.0 cr)
• SOC 3124 - Sociology of Law (4.0 cr)
• SOC 3125 - Terrorism, Law, and the State [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 cr)
• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
• SOC 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
• SOC 3251 - African Americans [HDIV] (4.0 cr)
• SOC 3252 - Women in Muslim Society [IP] (4.0 cr)
• SOC 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
• SOC 3602 - Women in Latin America [IP] (4.0 cr)
• SOC 3xxx
• SOC 4991 - Sociology Independent Project Seminar (4.0 cr)
• SOC 4xxx
• Take at most 4 credit(s) from the following:
  • ANTH 1111 - Introductory Cultural Anthropology [SS] (4.0 cr)
  • ANTH 2101 - Biological Anthropology [SCI-L] (5.0 cr)
  • ANTH 2103 - Archaeology [SS] (4.0 cr)
  • ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
  • ANTH 2206 - Sex, Marriage, and Family [HDIV] (4.0 cr)
  • ANTH 2xxx
  • ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
  • ANTH 3206 - Ecological Anthropology [ENVT] (4.0 cr)
  • ANTH 3455 - North American Archaeology (4.0 cr)
  • ANTH 3502 - Latinos in the Midwest [SS] (4.0 cr)
  • ANTH 3601 - Social Justice and Human Rights in Latin America [IP] (4.0 cr)
  • ANTH 3602 - Women in Latin America [IP] (4.0 cr)
  • ANTH 3603 - Latin American Archaeology (4.0 cr)
  • ANTH 3701 - Forensic Anthropology [SCI-L] (4.0 cr)
  • ANTH 3704 - Anthropological Genetics (4.0 cr)
  • ANTH 3xxx
  • ANTH 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
  • ANTH 4901 - Seminar in Anthropological Theory (4.0 cr)
  • ANTH 4xxx
  • IS 3796 - Interdisciplinary Internship in the Helping Professions (1.0 - 16.0 cr)
Art History B.A.
Division of Humanities - Adm

Program Type: Baccalaureate
Requirements for this program are current for Fall 2015
Required credits to graduate with this degree: 120
Required credits within the major: 43 to 47
Degree: Bachelor of Arts

Art history involves the study of ways the visual arts reflect and shape the world's cultures.

Objectives and Recommendations--The purposes of the art history curriculum are:

1) To develop students' understanding of some of the historical traditions in the visual arts.
2) To develop and improve students' ability to analyze and interpret works of art through oral and written means.
3) To help students discover the rich and complex relationship of art to other aspects of culture.
4) To encourage students to have direct contact with art by means of studio art courses, class field trips and assignments, gallery internships, and study abroad experiences.

The discipline also recommends two years of college-level courses in foreign language.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

No grades below C- are allowed. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
ARTH 1101 - Principles of Art [FA] (4.0 cr)
ARTH 1111 - Ancient to Medieval Art [FA] (4.0 cr)
ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)
ARTH 4901 - Capstone Assessment of Student Experience in Art History (1.0 cr)

Basic Studio or Two Courses in 2 different media
Basic Studio is preparation for advanced work in studio art. The three related parts must be taken concurrently and in sequence. Two 1xxx ARTS courses, in two different media, may substitute for the Basic Studio sequence.

First Term of Basic Studio
ARTH 1101 - Basic Studio Drawing I [ART/P] (2.0 cr)
ARTH 1103 - Basic Studio 2-D Design [ART/P] (2.0 cr)

Second Term of Basic Studio
ARTH 1102 - Basic Studio Drawing II [ART/P] (2.0 cr)
ARTH 1104 - Basic Studio 3-D Design [ART/P] (2.0 cr)
ARTS 1106 - Basic Studio Discussion II [ART/P] (1.0 cr)
or 1xxx-level ARTS Courses (in 2 different media)
Take exactly 2 course(s) totaling 6 or more credit(s) from the following:
• ARTS 1001 - Visual Studies for Non-Majors: Drawing [ART/P] (3.0 cr)
• ARTS 1002 - Visual Studies for Non-Majors: Digitally Assisted Design [ART/P] (3.0 cr)
• ARTS 1003 - Visual Studies for Non-Majors: Beginning Painting [ART/P] (3.0 cr)
• ARTS 1004 - Visual Studies for Non-Majors: Printmaking [ART/P] (3.0 cr)
• ARTS 1005 - Visual Studies for Non-Majors: Photography [ART/P] (3.0 cr)
• ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
• ARTS 1300 - Watercolor Painting [ART/P] (3.0 cr)

Elective Courses
Take 24 or more credit(s) from the following:
• ARTH 2102 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
• ARTH 2103 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
• ARTH 3112 - Art and the Byzantine Empire [FA] (4.0 cr)
• ARTH 3133 - Boundaries and Transitions in Medieval Art [FA] (4.0 cr)
• ARTH 3142 - Art of the Italian Renaissance, 1300-1520 [FA] (4.0 cr)
• ARTH 3161 - 16th-Century Italian Art [FA] (4.0 cr)
• ARTH 3171 - Baroque Art [FA] (4.0 cr)
• ARTH 3191 - American Art to 1900 [FA] (4.0 cr)
• ARTH 3201 - 19th-Century European Art through Post-Impressionism [FA] (4.0 cr)
• ARTH 3211 - Early Modernist Art: Symbolism to Surrealism [FA] (4.0 cr)
• ARTH 3221 - American Art from the End of Modernism to the Postmodern Present [FA] (4.0 cr)
• ARTH 3231 - History of Photography [FA] (4.0 cr)
• ARTH 3241 - African American Art [FA] (4.0 cr)
• ARTH 3261 - Chinese Art [FA] (4.0 cr)
• ARTH 3272 - Athens, Art, and Theatre [FA] (4.0 cr)
• ARTH 3273 - Ars Otii: The Art of Roman Leisure [FA] (4.0 cr)
• ARTH 3281 - Women and Art [FA] (4.0 cr)
• ARTH 3291 - Facing the Past: Portraiture and Social History [FA] (4.0 cr)
• ARTH 2xxx
• ARTH 3xxx
• ARTH 4xxx
Art History Minor
Division of Humanities - Adm
Division of Humanities

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 24

Art history involves the study of ways the visual arts reflect and shape the world's cultures.

Objectives and Recommendations--The purposes of the art history curriculum are:

1) To develop students' understanding of some of the historical traditions in the visual arts.
2) To develop and improve students' ability to analyze and interpret works of art through oral and written means.
3) To help students discover the rich and complex relationship of art to other aspects of culture.
4) To encourage students to have direct contact with art by means of studio art courses, class field trips and assignments, gallery internships, and study abroad experiences.

The discipline also recommends two years of college-level courses in a foreign language.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
ARTH 1101 - Principles of Art [FA] (4.0 cr)
ARTH 1111 - Ancient to Medieval Art [FA] (4.0 cr)
ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)

Elective Courses
Take 12 or more credit(s) from the following:
- ARTH 2102 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
- ARTH 2103 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
- ARTH 3112 - Art and the Byzantine Empire [FA] (4.0 cr)
- ARTH 3113 - Early Islamic Art and Culture [FA] (4.0 cr)
- ARTH 3133 - Boundaries and Transitions in Medieval Art [FA] (4.0 cr)
- ARTH 3142 - Art of the Italian Renaissance, 1300-1520 [FA] (4.0 cr)
- ARTH 3161 - 16th-Century Italian Art [FA] (4.0 cr)
- ARTH 3171 - Baroque Art [FA] (4.0 cr)
- ARTH 3191 - American Art to 1900 [FA] (4.0 cr)
- ARTH 3201 - 19th-Century European Art through Post-Impressionism [FA] (4.0 cr)
- ARTH 3211 - Early Modernist Art: Symbolism to Surrealism [FA] (4.0 cr)
- ARTH 3221 - American Art from the End of Modernism to the Postmodern Present [FA] (4.0 cr)
- ARTH 3231 - History of Photography [FA] (4.0 cr)
- ARTH 3241 - African American Art [FA] (4.0 cr)
- ARTH 3261 - Chinese Art [FA] (4.0 cr)
- ARTH 3272 - Athens, Art, and Theatre [FA] (4.0 cr)
- ARTH 3273 - Ars Otii: The Art of Roman Leisure [FA] (4.0 cr)
- ARTH 3281 - Women and Art [FA] (4.0 cr)
- ARTH 3291 - Facing the Past: Portraiture and Social History [FA] (4.0 cr)
- ARTH 3xxx
- ARTH 2xxx
• ARTH 4xxx
Morris Campus
Communication, Media, and Rhetoric B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 42
- Degree: Bachelor of Arts

This discipline is in the Division of the Humanities. The mission of the Communication, Media, and Rhetoric (CMR) discipline is to provide an introduction to the breadth of scholarship in communication history, communication theory, and communication contexts. UMM students in the CMR major study the multidimensional nature of various types of communication processes, the activities of message production, and the analysis and evaluation of personal, public, and mass communication. Students develop skills for lifelong learning and refine capabilities for active involvement in a participatory democracy.

Objectives--The curriculum is designed to ensure that:
1. Students develop a historical and theoretical understanding of the three areas of communication, electronic media, and rhetoric.
2. Students use a variety of assigned theoretical approaches and research methods appropriate to rhetoric, communication, and electronic mass media to describe and evaluate assigned or chosen discourse.
3. Students participate in a variety of oral communication phenomenon assignments using informative and persuasive speaking techniques effectively.

Learning Outcomes:
1. Students will be able to compare and evaluate various theoretical approaches, demonstrate an understanding of the historical dimensions of theory building, and describe and critically evaluate the complexity and richness of communication
2. Students will be able to choose from a variety of methods to analyze, synthesize, and evaluate a specific act, communication artifact, or phenomena.
3. Students will be able to design and deliver effective messages orally.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
- CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
- CMR 1062 - Introduction to Interpersonal and Group Communication [HUM] (4.0 cr)
- CMR 1101 - Introduction to Theories of Communication, Media, and Rhetoric [HUM] (4.0 cr)
- CMR 4152 - Advanced Public Speaking [HUM] (4.0 cr)
- CMR 4900 - Communication, Media, and Rhetoric Seminar I (1.0 cr)
- CMR 4901 - Communication, Media, and Rhetoric Seminar II [HUM] (3.0 cr)
Communication Electives
Take 8 or more credit(s) from the following:
• CMR 2411 - Health Communication [HUM] (4.0 cr)
• CMR 2421 - Business and Professional Communication [E/CR] (4.0 cr)
• CMR 3401 - Communication Theory [SS] (4.0 cr)
• CMR 3411 - Intercultural Communication Theory and Research [HDIV] (4.0 cr)
• CMR 3421 - Organizational Communication Theory and Research [SS] (4.0 cr)
• CMR 3432 - Communication Research Methods [HUM] (4.0 cr)
• CMR 4411 - Advanced Interpersonal Communication (4.0 cr)

Media Electives
Take 8 or more credit(s) from the following:
• CMR 1388 - College Newspaper Experience (1.0 cr)
• CMR 1389 - College Radio Experience (1.0 cr)
• CMR 2311 - Media History and Society [SS] (4.0 cr)
• CMR 2321 - Digital Media Production [HUM] (4.0 cr)
• CMR 3301 - Media Theory, Criticism, and Problems [SS] (4.0 cr)
• CMR 3312 - Media Literacy [HUM] (4.0 cr)
• CMR 3342 - Visual Journalism [HUM] (4.0 cr)
• CMR 4341 - New Media Technologies [HUM] (2.0 cr)

Rhetoric Electives
Take 8 or more credit(s) from the following:
• CMR 3101 - Rhetorical History and Theories: Pre-Socratic to Modern Periods [IP] (4.0 cr)
• CMR 3111 - Contemporary Rhetorical Theory and Criticism [HUM] (4.0 cr)
• CMR 3123 - Rhetorical Criticism and Speeches that Changed the World [HUM] (4.0 cr)
• CMR 3124 - Rhetoric of Comic Art: Analysis and Creation [HUM] (4.0 cr)
• CMR 3125 - Rhetoric of Free Speech in American Schools: Case Law and Queries [SS] (4.0 cr)
• CMR 3202 - Rhetoric of Presidential Inaugurals [HUM] (4.0 cr)
• CMR 3251 - Rhetorical Criticism and Free Speech Discourse [E/CR] (4.0 cr)
• CMR 4122 - Rhetoric of Picture Books, Prose and Picture [HUM] (4.0 cr)
Morris Campus

Communication, Media, and Rhetoric Minor

Division of Humanities - Adm

This discipline is in the Division of the Humanities. The mission of the Communication, Media, and Rhetoric (CMR) discipline is to provide an introduction to the breadth of scholarship in communication history, communication theory, and communication contexts. UMM students in the CMR major study the multidimensional nature of various types of communication processes, the activities of message production, and the analysis and evaluation of personal, public, and mass communication. Students develop skills for lifelong learning and refine capabilities for active involvement in a participatory democracy.

Objectives--The curriculum is designed to ensure that:
1. Students develop a historical and theoretical understanding of the three areas of communication, electronic media, and rhetoric.
2. Students use a variety of assigned theoretical approaches and research methods appropriate to rhetoric, communication, and electronic mass media to describe and evaluate assigned or chosen discourse.
3. Students participate in a variety of oral communication phenomenon assignments using informative and persuasive speaking techniques effectively.

Learning Outcomes:
1. Students will be able to compare and evaluate various theoretical approaches, demonstrate an understanding of the historical dimensions of theory building, and describe and critically evaluate the complexity and richness of communication.
2. Students will be able to choose from a variety of methods to analyze, synthesize, and evaluate a specific act, communication artifact, or phenomena.
3. Students will be able to design and deliver effective messages orally.

Program Delivery

This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
CMR 1052 - Introduction to Public Speaking [E/CR] (2.0 cr)
CMR 1062 - Introduction to Interpersonal and Group Communication [HUM] (4.0 cr)
CMR 1101 - Introduction to Theories of Communication, Media, and Rhetoric [HUM] (4.0 cr)

Elective Courses
Take 10 or more credit(s) from the following:
• CMR 1388 - College Newspaper Experience (1.0 cr)
• CMR 1389 - College Radio Experience (1.0 cr)
• CMR 2311 - Media History and Society [SS] (4.0 cr)
• CMR 2321 - Digital Media Production [HUM] (4.0 cr)
• CMR 2411 - Health Communication [HUM] (4.0 cr)
• CMR 2421 - Business and Professional Communication [E/CR] (4.0 cr)
• CMR 3101 - Rhetorical History and Theories: Pre-Socratic to Modern Periods [IP] (4.0 cr)
• CMR 3111 - Contemporary Rhetorical Theory and Criticism [HUM] (4.0 cr)
• CMR 3123 - Rhetorical Criticism and Speeches that Changed the World [HUM] (4.0 cr)
• CMR 3124 - Rhetoric of Comic Art: Analysis and Creation [HUM] (4.0 cr)
• CMR 3125 - Rhetoric of Free Speech in American Schools: Case Law and Queries [SS] (4.0 cr)
• CMR 3202 - Rhetoric of Presidential Inaugurals [HUM] (4.0 cr)
• CMR 3251 - Rhetorical Criticism and Free Speech Discourse [E/CR] (4.0 cr)
• CMR 3301 - Media Theory, Criticism, and Problems [SS] (4.0 cr)
• CMR 3312 - Media Literacy [HUM] (4.0 cr)
• CMR 3342 - Visual Journalism [HUM] (4.0 cr)
• CMR 3401 - Communication Theory [SS] (4.0 cr)
• CMR 3411 - Intercultural Communication Theory and Research [HDIV] (4.0 cr)
• CMR 3421 - Organizational Communication Theory and Research [SS] (4.0 cr)
• CMR 3432 - Communication Research Methods [HUM] (4.0 cr)
• CMR 4122 - Rhetoric of Picture Books, Prose and Picture [HUM] (4.0 cr)
• CMR 4152 - Advanced Public Speaking [HUM] (4.0 cr)
• CMR 4341 - New Media Technologies [HUM] (2.0 cr)
• CMR 4411 - Advanced Interpersonal Communication (4.0 cr)
In English, students study literature and language, including its development over time and contemporary significance. Courses for both majors and non-majors offer a wide range of approaches and topics. Some courses focus on single authors, genres, or historical periods; others emphasize social contexts of literature, investigate representations of race or gender, or explore literary perceptions of the environment. Still others cover film, creative writing, and contemporary popular literature.

Objectives--The curriculum introduces students to the main literary genres and important historical periods and movements in English; to representative works of British, American, and Anglophone literature; and to methods of critical interpretation. The major is designed to meet the needs of students with various goals, including those seeking a foundation for work in fields related to English (e.g., education, communications, editing and publishing, law, theater); those who want a humanistic base in reading, thinking, and writing for a liberal arts education; and those who intend to pursue graduate study in the field. Students engage in critical reading, oral and written analysis of texts, formal argumentation, and research.

English classes tend to be small and conversational. Students collaborate with one another by discussing subtle and complex texts while discovering their own interpretive voices by writing clear and persuasive essays.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

Required prerequisites
Prerequisite Courses
ENGL 1601 or equivalent satisfies the College Writing/Writing for the Liberal Arts requirement and is a prerequisite for admission to the major.
ENGL 1601 - Writing for the Liberal Arts [WLA] (4.0 cr)
or equivalent

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
ENGL 2501 - Literary Studies [HUM] (4.0 cr)
Take exactly 12 credit(s) from the following:
• ENGL 2201 - Survey of British Literature to the 18th Century [HUM] (4.0 cr)
• ENGL 2202 - Survey of British Literature from the 18th Century Forward [HUM] (4.0 cr)
• ENGL 2211 - Survey of American Literature to the Civil War [HUM] (4.0 cr)
• ENGL 2212 - Survey of American Literature from the Civil War Forward [HUM] (4.0 cr)

Research Seminar
A research-based study of a literary subject that forms a capstone experience for majors. 40xx courses are offered in rotation.
Take 4 or more credit(s) from the following:
• ENGL 4004 - Research Seminar: Old English Literature and Language [HUM] (4.0 cr)
• ENGL 4012 - Research Seminar: Imagining the Earth [HUM] (4.0 cr)
• ENGL 4017 - Research Seminar: Tricksters-Conjurers in American Indian and African American Literature [HDIV] (4.0 cr)
• ENGL 4023 - Research Seminar: Nationalism and Irish Literature [HUM] (4.0 cr)
• ENGL 4024 - Research Seminar: Poet’s Choice: The Book as the 25th Poem [HUM] (4.0 cr)
• ENGL 4029 - Research Seminar: Perspectives on Literacy [HUM] (4.0 cr)
• ENGL 4031 - Research Seminar: Renaissance Romance [HUM] (4.0 cr)
• ENGL 4033 - Research Seminar: Ralph Ellison, Richard Wright, and J. Saunders Redding [HDIV] (4.0 cr)
• ENGL 4034 - Research Seminar: The Adventure Novel in American and British Literature [HUM] (4.0 cr)

Lower Level Elective Courses
4 of the 40 credits in the major must have an HDIV designator at 2xxx or above. No more than 4 credits of 2xxx courses, other than the required surveys, may count in the major. A survey course, not used previously, may count as an elective.
Take at most 4 credit(s) from the following:
• ENGL 2014 - Introduction to Popular Literature: Science Fiction [HUM] (4.0 cr)
• ENGL 2015 - Introduction to Film Studies [HUM] (4.0 cr)
• ENGL 2022 - Sports Literature and Writing [ART/P] (4.0 cr)
• ENGL 2031 - Gender in Literature and Culture [HDIV] (4.0 cr)
• ENGL 2041 - Introduction to African American Literature [HDIV] (4.0 cr)
• ENGL 2059 - Introduction to Shakespeare [HUM] (4.0 cr)
• ENGL 2061 - Introduction to Popular Literature: Detection and Espionage in Fiction and Film [HUM] (4.0 cr)
• ENGL 2106 - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World [ENVT] (4.0 cr)
• ENGL 2121 - Topics in Writing: Introduction to Creative Writing [ART/P] (4.0 cr)
• ENGL 2201 - Survey of British Literature to the 18th Century [HUM] (4.0 cr)
• ENGL 2202 - Survey of British Literature from the 18th Century Forward [HUM] (4.0 cr)
• ENGL 2211 - Survey of American Literature to the Civil War [HUM] (4.0 cr)
• ENGL 2212 - Survey of American Literature from the Civil War Forward [HUM] (4.0 cr)
• ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)

• ENGL 2xxx
• HUM 1xxx
• HUM 2xxx
• HUM 3xxx
• HUM 4xxx

Upper Level Elective Courses
Up to 4 credits of 3993, 4993 may count in the major.
Take 12 or more credit(s) from the following:
• ENGL 3012 - Advanced Fiction Writing [ART/P] (4.0 cr)
• ENGL 3015 - Writing Poetry for the 21st Century [ART/P] (4.0 cr)
• ENGL 3016 - Innovations on the Page [ART/P] (4.0 cr)
• ENGL 3017 - Book Publishing: History and Contemporary Trends [HUM] (4.0 cr)
• ENGL 3032 - Creative Nonfiction Writing [ART/P] (4.0 cr)
• ENGL 3142 - The Rise of the Novel [HUM] (4.0 cr)
• ENGL 3153 - Gothic Literature [HUM] (4.0 cr)
• ENGL 3154 - 19th-Century British Fiction [HUM] (4.0 cr)
• ENGL 3155 - 20th-Century British Fiction [HUM] (4.0 cr)
• ENGL 3156 - Modern Irish Literature [HUM] (4.0 cr)
• ENGL 3157 - English Renaissance Drama [HUM] (4.0 cr)
• ENGL 3159 - Shakespeare: Studies in the Bard [HUM] (4.0 cr)
• ENGL 3161 - Medieval Literature [HUM] (4.0 cr)
• ENGL 3163 - Life in a Medieval City: Literature and Culture in York, 700-1500 [HUM] (4.0 cr)
• ENGL 3165 - English Renaissance Poetry and Prose [HUM] (4.0 cr)
• ENGL 3166 - Postcolonial Literature [HUM] (4.0 cr)
• ENGL 3168 - Victorian Literature and Culture [HUM] (4.0 cr)
• ENGL 3169 - The Construction of Nature in British Literature [ENVT] (4.0 cr)
• ENGL 3253 - Modern and Postmodern Love in the Novel [HUM] (4.0 cr)
• ENGL 3261 - Modern British and American Poetry [HUM] (4.0 cr)
• ENGL 3262 - 20th-Century American Poetry: From Modern to Contemporary [HUM] (4.0 cr)
• ENGL 3281 - The Literature of Slavery [HDIV] (4.0 cr)
• ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
• ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
• ENGL 3312 - World Indigenous Literature and Film [IP] (4.0 cr)
• ENGL 3331 - African American Literature [HDIV] (4.0 cr)
• ENGL 3332 - African American Women Writers [HDIV] (4.0 cr)
• ENGL 3414 - Feminist Theory [HDIV] (4.0 cr)
• ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
• ENGL 3993 - Directed Study (1.0 - 5.0 cr)
• ENGL 3xxx
• ENGL 4993 - Directed Study (1.0 - 5.0 cr)
• ENGL 4xxx

Advanced Skills Courses
Take 4 or more credit(s) from the following:
• ENGL 3005 - Understanding Writing: Theories and Practices [HUM] (4.0 cr)
• ENGL 3021 - Grammar and Language [HUM] (4.0 cr)
• ENGL 3411 - Critical Approaches to Literature [HUM] (4.0 cr)
**Morris Campus**

**English Minor**

*Division of Humanities - Adm*

**Division of Humanities**

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 20

In English, students study literature and language, including its development over time and contemporary significance. Courses for both majors and non-majors offer a wide range of approaches and topics. Some courses focus on single authors, genres, or historical periods; others emphasize social contexts of literature, investigate representations of race or gender, or explore literary perceptions of the environment. Still others cover film, creative writing, and contemporary popular literature.

Objectives—The curriculum introduces students to the main literary genres and important historical periods and movements in English; to representative works of British, American, and Anglophone literature; and to methods of critical interpretation. Students engage in critical reading, oral and written analysis of texts, formal argumentation, and research.

English classes tend to be small and conversational. Students collaborate with one another by discussing subtle and complex texts while discovering their own interpretive voices by writing clear and persuasive essays.

**Program Delivery**

This program is available:

- via classroom (the majority of instruction is face-to-face)

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**Minor Requirements**

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the minor requirements. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

**Required Courses**

ENGL 2501 - Literary Studies [HUM] (4.0 cr)

Take exactly 8 credit(s) from the following:

- ENGL 2201 - Survey of British Literature to the 18th Century [HUM] (4.0 cr)
- ENGL 2202 - Survey of British Literature from the 18th Century Forward [HUM] (4.0 cr)
- ENGL 2211 - Survey of American Literature to the Civil War [HUM] (4.0 cr)
- ENGL 2212 - Survey of American Literature from the Civil War Forward [HUM] (4.0 cr)

**Elective Courses**

4 of the 20 credits in the minor must have an HDIV designator at 2xxx or above. No more than 4 credits of 2xxx courses, other than the required surveys, may count in the major. A survey course, not used previously, may count as an elective.

Take at most 4 credit(s) from the following:

- ENGL 2014 - Introduction to Popular Literature: Science Fiction [HUM] (4.0 cr)
- ENGL 2015 - Introduction to Film Studies [HUM] (4.0 cr)
- ENGL 2016 - Monsters and the Monstrous in English Literature [HUM] (4.0 cr)
- ENGL 2022 - Sports Literature and Writing [ART/P] (4.0 cr)
- ENGL 2031 - Gender in Literature and Culture [HDIV] (4.0 cr)
- ENGL 2033 - The Bible and Literature [HUM] (4.0 cr)
- ENGL 2041 - Introduction to African American Literature [HDIV] (4.0 cr)
- ENGL 2059 - Introduction to Shakespeare [HUM] (4.0 cr)
- ENGL 2061 - Introduction to Popular Literature: Detection and Espionage in Fiction and Film [HUM] (4.0 cr)
- ENGL 2106 - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World [ENV] (4.0 cr)
- ENGL 2107 - Writing with Digital Media [HUM] (4.0 cr)
- ENGL 2121 - Topics in Writing: Introduction to Creative Writing [ART/P] (4.0 cr)
- ENGL 2171 - Topics in Writing: Editing and Proofreading [HUM] (4.0 cr)
- ENGL 2172 - Topics in Writing: Professional Writing Skills (4.0 cr)
- ENGL 2173 - The Nature Essay: Writing and Reading Creative Non-fiction about the Natural World [ENV] (4.0 cr)
• ENGL 2201 - Survey of British Literature to the 18th Century [HUM] (4.0 cr)
• ENGL 2202 - Survey of British Literature from the 18th Century Forward [HUM] (4.0 cr)
• ENGL 2211 - Survey of American Literature to the Civil War [HUM] (4.0 cr)
• ENGL 2212 - Survey of American Literature from the Civil War Forward [HUM] (4.0 cr)
• ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)
• ENGL 2xxx

Take 4 or more credit(s) from the following:
• ENGL 3005 - Understanding Writing: Theories and Practices [HUM] (4.0 cr)
• ENGL 3012 - Advanced Fiction Writing [ART/P] (4.0 cr)
• ENGL 3015 - Writing Poetry for the 21st Century [ART/P] (4.0 cr)
• ENGL 3016 - Innovations on the Page [ART/P] (4.0 cr)
• ENGL 3017 - Book Publishing: History and Contemporary Trends [HUM] (4.0 cr)
• ENGL 3021 - Grammar and Language [HUM] (4.0 cr)
• ENGL 3032 - Creative Nonfiction Writing [ART/P] (4.0 cr)
• ENGL 3142 - The Rise of the Novel (4.0 cr)
• ENGL 3153 - Gothic Literature (4.0 cr)
• ENGL 3154 - 19th-Century British Fiction (4.0 cr)
• ENGL 3155 - 20th-Century British Fiction (4.0 cr)
• ENGL 3156 - Modern Irish Literature (4.0 cr)
• ENGL 3157 - English Renaissance Drama (4.0 cr)
• ENGL 3159 - Shakespeare: Studies in the Bard (4.0 cr)
• ENGL 3161 - Medieval Literature (4.0 cr)
• ENGL 3163 - Life in a Medieval City: Literature and Culture in York, 700-1500 [HUM] (4.0 cr)
• ENGL 3165 - Seventeenth-Century Revolutions (4.0 cr)
• ENGL 3166 - Postcolonial Literature (4.0 cr)
• ENGL 3168 - Victorian Literature and Culture (4.0 cr)
• ENGL 3171 - The Literature of Creative Nonfiction (4.0 cr)
• ENGL 3172 - American Utopian Literature (4.0 cr)
• ENGL 3173 - Contemporary British Literature (4.0 cr)
• ENGL 3174 - Contemporary Indian and Caribbean Literature [IP] (4.0 cr)
• ENGL 3253 - Modern and Postmodern Love in the Novel (4.0 cr)
• ENGL 3261 - Modern British and American Poetry (4.0 cr)
• ENGL 3262 - 20th-Century American Poetry: From Modern to Contemporary (4.0 cr)
• ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
• ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
• ENGL 3312 - World Indigenous Literature and Film [HDIV] (4.0 cr)
• ENGL 3331 - African American Literature [HDIV] (4.0 cr)
• ENGL 3332 - African American Women Writers [HDIV] (4.0 cr)
• ENGL 3411 - Critical Approaches to Literature (4.0 cr)
• ENGL 3414 - Feminist Theory [HDIV] (4.0 cr)
• ENGL 3444 - Holocaust Literature and Film [IP] (4.0 cr)
• ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
• ENGL 3xxx

• ENGL 4004 - Research Seminar: Old English Literature and Language (4.0 cr)
• ENGL 4012 - Research Seminar: Imagining the Earth (4.0 cr)
• ENGL 4017 - Research Seminar: Tricksters-Conjurers in American Indian and African American Literature [HDIV] (4.0 cr)
• ENGL 4023 - Research Seminar: Nationalism and Irish Literature (4.0 cr)
• ENGL 4024 - Research Seminar: Poet's Choice: The Book as the 25th Poem (4.0 cr)
• ENGL 4026 - Research Seminar: Inventing a Nation: Early American National Literature (4.0 cr)
• ENGL 4029 - Research Seminar: Perspectives on Literacy (4.0 cr)
• ENGL 4031 - Research Seminar: Renaissance Romance (4.0 cr)
• ENGL 4032 - Research Seminar: Transnational Theory and Literatures (4.0 cr)
• ENGL 4034 - Research Seminar: The Adventure Novel in American and British Literature (4.0 cr)
• ENGL 4035 - Research Seminar: Booker Watch: Contemporary British Literature and the Emergence of Canonicity [IP] (4.0 cr)
• ENGL 4036 - Research Seminar: American Biographical Novel (4.0 cr)
• ENGL 4xxx
Morris Campus
French B.A.
Division of Humanities - Adm
Division of Humanities

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2015
• Required credits to graduate with this degree: 120
• Required credits within the major: 33 to 41
• Degree: Bachelor of Arts

French is an important language of diplomacy, commerce, and health care and is used in research across the globe and in many disciplines, such as music, art, linguistics, history, law, political science, anthropology, biology, chemistry, mathematics, and philosophy. The French discipline gives students the language and analytic skills necessary to engage intellectually with these interconnected fields in French and to appreciate the cultures of France and Francophone countries throughout the world.

Objectives:
The French curriculum is designed to ensure that students:
* Develop their reading, writing, speaking and listening skills in French;
* Refine their cross-cultural and problem-solving skills;
* Expand research and career opportunities in a global and interconnected world;
* Discover the traditions, literatures, arts, and histories of French-speaking peoples;
* Explore the contributions of French-speaking peoples to education, the humanities, social sciences and/or STEM fields;
* Engage in research in French;
* Prepare for a career serving French-speaking people in the United States and abroad in the sciences, commerce, diplomacy, economic development, healthcare, teaching or community outreach.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

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

Required prerequisites
Beginning French
Beginning French I and II or equivalent previous language experience required to take intermediate French.

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of French.

Students must complete a significant amount of coursework in French at UMM, but are also strongly encouraged to study abroad. In order to count study abroad toward the French major or minor, all students must procure formal approval of coursework from the French Discipline prior to departure. (Typically, no more than 9 credits for one semester abroad or 16 credits for a year abroad may count toward the French major.)

French speaking people have been very influential in many fields. Work with a French faculty member to see how a careful selection of your General Education courses can enhance your knowledge of France and Francophone societies. The French Discipline strongly recommends at least one year of study in another world language.

Up to 4 credits taught in English (such as Fren 1031, 1302, 1303, 1311 or 1312) may be counted towards the French major, provided that students complete written work for the class in French.

No grades below C- may count toward the French major. Courses may not be taken S-N unless offered S-N only.
A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

**Required Courses**

- **FREN 2001** - Intermediate French I [IP] (4.0 cr)
- **FREN 2002** - Intermediate French II [IP] (4.0 cr)
- **FREN 3002** - Civilization and Composition: From the Middle Ages to Classicism [HIST] (2.0 cr)
- **FREN 3003** - Civilization and Composition: France Since the Revolution of 1789 [HIST] (2.0 cr)
- **FREN 3004** - Civilization and Composition: Colonialism and Francophone Worlds [HIST] (2.0 cr)
- **FREN 3011** - Introduction to French and Francophone Literature [HUM] (4.0 cr)
- **HUM 1305** - Career Preparation in World Languages (1.0 cr)

**Medieval and Early Modern Studies (MEMS)**

These courses fall within the period that encompasses the Middle Ages through French classicism. Students gain familiarity with the history, cultures, and literatures of France from its beginnings in early feudal society through the seventeenth century.

Take 4 or more credit(s) from the following:
- **FREN 3402** - Medieval and Early Modern Studies: Pre-Enlightenment Culture in France (2.0 - 4.0 cr)
- **FREN 3406** - Medieval and Early Modern Studies: Emotional Extremes in Medieval and Early Modern Literature (4.0 cr)
- **FREN 3407** - Medieval and Early Modern Studies: The "East" and its Marvels (2.0 - 4.0 cr)
- **FREN 3408** - Medieval and Early Modern Studies: Quests, Quails, and Custards--Food in Life and Literature (2.0 - 4.0 cr)
- **FREN 3409** - Medieval and Early Modern Studies: Monsters and the Marvelous (2.0 - 4.0 cr)

**Modern Studies (MOS)**

These courses cover a wide range of historical, literary, and cultural moments and movements that have marked France's development since the dawn of the French Enlightenment.

Take 4 or more credit(s) from the following:
- **FREN 1031** - Modern Studies: The Modern Body in France [SS] (4.0 cr)
- **FREN 1302** - French Cinema [IP] (4.0 cr)
- **FREN 1303** - Paris as Text/Image/Sound [IP] (4.0 cr)
- **FREN 3501** - Modern Studies: The Old Regime and New Ideas: The French Enlightenment (4.0 cr)
- **FREN 3502** - Modern Studies: Revolution, Romanticism, Modernity (4.0 cr)
- **FREN 3503** - Modern Studies: Avant-Garde, Existentialism, Experimentation (2.0 - 4.0 cr)
- **FREN 3505** - Modern Studies: Immigration and Identity in Modern France (4.0 cr)

**Francophone Studies (FRS)**

These courses examine the literature, film, history and cultures of French-speaking populations living in Africa, North America, the Caribbean, South America, Europe, and Asia.

Take 4 or more credit(s) from the following:
- **FREN 1311** - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
- **FREN 1312** - Morocco: History, Story, Myth [IP] (4.0 cr)
- **FREN 3603** - Francophone Studies: Contes francophones (2.0 cr)
- **FREN 3604** - Francophone Studies: L'Amerique francophone (4.0 cr)
- **FREN 3605** - Francophone Studies: Le Cinema du Maghreb (4.0 cr)
- **FREN 3606** - Francophone Studies: Sub-Saharan Francophone Cinema (4.0 cr)
- **FREN 3607** - Francophone Studies: Sex and Gender in Francophone Literature (2.0 cr)

**French Capstone Project**

The final capstone presentation must be given in French
- **FREN 4902** - French Capstone Project (2.0 cr)

**Elective Courses**

An additional 8 credits of FREN 3xxx or above. Of these elective credits, up to 4 credits may come from FREN 1031, FREN 1302, FREN 1303, FREN 1311, FREN 1312 and up to another 4 credits may come from FREN 2013 and FREN 2014. Electives can be chosen from the cluster courses or the following:

Electives can be chosen from the cluster courses or the following:
- Take at most 4 credit(s) from the following:
  - **FREN 1031** - Modern Studies: The Modern Body in France [SS] (4.0 cr)
  - **FREN 1302** - French Cinema [IP] (4.0 cr)
  - **FREN 1303** - Paris as Text/Image/Sound [IP] (4.0 cr)
  - **FREN 1311** - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
  - **FREN 1312** - Morocco: History, Story, Myth [IP] (4.0 cr)
- Take at most 4 credit(s) from the following:
  - **FREN 2013** - Explorations: Grammar (1.0 cr)
  - **FREN 2014** - Explorations: Cultures (1.0 cr)
Advanced Language Studies (ALS)
These courses analyze the structure and usage of the French language in detail and on an advanced level. Take 10 or more credit(s) from the following:
• FREN 3112 - Advanced Language Studies: Introduction to French Phonetics (2.0 - 4.0 cr)
• FREN 3113 - Advanced Language Studies: Theme et Version (2.0 - 4.0 cr)
• FREN 3114 - Advanced Language Studies: Advanced French Grammar (2.0 - 4.0 cr)
Morris Campus
French Minor
Division of Humanities - Adm
Division of Humanities

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 24
- This program requires summer terms.

French is an important language of diplomacy, commerce, and health care, and is used in research across the globe and in many disciplines, such as music, art, linguistics, history, law, political science, anthropology, biology, chemistry, mathematics, and philosophy. The French discipline gives students the language and analytic skills necessary to engage intellectually with these interconnected fields in French and to appreciate the cultures of France and Francophone countries throughout the world.

Objectives—The French discipline teaches the skills necessary for communicating with a variety of French-speaking peoples and for understanding their rich cultures, ideas, institutions, and writings, past and present. We invite students to think critically about French and Francophone cultures, and prepare them for graduate school or to enter a bilingual, professional world.

STUDY ABROAD
In light of today's increasingly interdependent world, the UMM French faculty endorses study abroad in combination with a French major or minor as the most effective means by which to:

* improve language abilities;
* broaden academic horizons;
* globalize one's world view;
* expand career opportunities;
* advance cross-cultural and problem-solving skills; and
* gain confidence in oneself personally and professionally.

CERTIFICATE PROGRAM IN FRENCH
The certificate program in French responds to the growing demand for individuals who can communicate successfully in a global environment, and is intended for students whose other academic commitments prevent them from completing either a major or minor in French. To earn a certificate, a student must

a) complete a minimum of 12 credits in French at UMM at the 2xxx and/or 3xxx level. All courses for the certificate must be taken on campus at UMM. Students are encouraged to study abroad, but the UMM French faculty need to assess the skills and progress of the student. Therefore, classes taken abroad (including July in Paris) do not count for the certificate.

b) earn at least a B in each of the three courses (S-N grades will not be accepted for the certificate).

No courses in English may count toward the French certificate program. Students who complete a major or minor in French are not eligible for the certificate program.

A student who has met the above requirements will receive a reference letter from the UMM French faculty certifying completion of the certificate program as well as language competence, based on guidelines published by the American Council on the Teaching of Foreign Languages (ACTFL).

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

Required prerequisites
Beginning French
Beginning French I and II or equivalent previous language experience required to take intermediate French.

Minor Requirements
Students are required to take 4 semester(s) of French.

Students are strongly encouraged to study abroad. Up to 6 credits towards a French minor may be earned abroad and/or transferred from another college/university. Students who wish to apply more than 6 such credits to the French minor must petition the French faculty for approval. Decisions will be made on an individual basis.

No courses taught in English may count toward the French minor.

No grades below C- are allowed. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

**Required Courses**

- FREN 3001 - Conversation and Composition [IP] (4.0 cr)
- FREN 3011 - Reading and Analysis of Texts [HUM] (4.0 cr)

**Elective Courses**

Take 16 or more credit(s) from the following:

- FREN 2001 - Intermediate French I [IP] (4.0 cr)
- FREN 2002 - Intermediate French II [IP] (4.0 cr)
- FREN 3112 - Advanced Language Studies: Introduction to French Phonetics [HUM] (4.0 cr)
- FREN 3402 - Early Modern Studies: Pre-Enlightenment Culture in France [HIST] (4.0 cr)
- FREN 3502 - Modern Studies: Revolution, Romanticism, Modernity [HUM] (4.0 cr)
- FREN 3503 - Modern Studies: Avant-Garde, Existentialism, Experimentation [HUM] (4.0 cr)
- FREN 3501 - Modern Studies: The Old Regime and New Ideas: The French Enlightenment [HIST] (4.0 cr)
- FREN 3602 - Francophone Studies: Francophone Worlds [IP] (4.0 cr)
- FREN 3603 - Francophone Studies: Contes francophones [IP] (4.0 cr)
- FREN 3604 - Francophone Studies: L'Amerique francophone [HUM] (4.0 cr)
- FREN 3060 - July in Paris III: French Language and Culture in Paris [IP] (4.0 cr)
- FREN 3113 - Advanced Language Studies: Theme et Version [HUM] (4.0 cr)
- FREN 3114 - Advanced Language Studies: Advanced French Grammar [HUM] (2.0 - 4.0 cr)
- FREN 4991 - Independent Study in French Abroad [IP] (4.0 cr)
- FREN 2xxx
- FREN 3xxx
- FREN 4xxx
Morris Campus
German Studies B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 40
- Degree: Bachelor of Arts

This is an interdisciplinary program housed in the Division of the Humanities. The program is administered by the German studies coordinator and the chair of the Division of the Humanities.

The German Studies curriculum includes the language, literature, film, linguistics, history and culture of German-speaking countries and Germanic Languages. The courses are designed to enhance students' understanding of their own language and culture through introduction to another. Our courses expand students' ability to think by giving them a new tool with which to do so. The courses are carefully sequenced to incrementally increase student aptitude in the one skill upon which everything else they could possibly do or study relies: language. Expansion of thought in any field of study requires the acquisition of new language. Learning the German language provides students with direct access to the world's fourth largest economy as well as the sister economies of the other German speaking countries (Germany, Austria, Switzerland). Additionally students gain intimate knowledge of a linguistic tradition and culture that has produced innovation in almost every field of study pursued on campus, thereby benefitting students regardless of their main area of concentration.

Objectives - Learning an entirely new linguistic idiom increases ones' ability to think and neurological studies have shown that it actually grows brain cells. Our primary goal is to enable students to become culturally competent. We have constructed the curriculum to increase student confidence and social skills by capitalizing on their innate and extant ability to use language and demonstrating to them that they can acquire another language, while also providing an understanding of language itself that will enable them to acquire further languages. The intellectual and practical skills enable students to gain a deeper understanding of the roles of individuals in society as well as building upon their capacity for integrative learning. Our program aims to provide students with opportunities that will enable them to directly apply newly acquired linguistic abilities, cultural knowledge and social skills in their chosen area of study through study abroad, internships and professional exchanges.

Study Abroad
In light of today's increasingly interdependent world, the German faculty strongly encourages study abroad in combination with a German Studies major or minor, as a most effective means by which to:
* improve language abilities
* broaden academic horizons
* globalize one's world view
* expand career opportunities

Study in Austria and Germany - 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. Language prerequisites vary for each program. Through the Academic Center for Enrichment, students may explore further opportunities.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of German.

Elective plans must be designed to ensure that there is sufficient depth of coverage in the chosen German studies electives. For many students, a double-major (or minor) in a closely related disciplinary major is desirable. For some majors, electives can be selected in such a way that many of the courses in a coherent German studies elective plan also count toward the second major. An advising sheet for recommended course combinations and areas of focus will be available to students and faculty involved.

In addition to the requirements for the major, students are encouraged to complete at least one year of instruction in another foreign language.

No grades below C- are allowed. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

**Required Courses**

- GER 2001 - Intermediate German I [IP] (4.0 cr)
- GER 2002 - Intermediate German II [IP] (4.0 cr)
- GER 3002 - Introduction to the Linguistic Analysis of German [IP] (4.0 cr)
- GER 3333 - Advanced German Grammar [IP] (4.0 cr)
- GER 4101 - History of the German Language [HIST] (4.0 cr)
- GER 3101 - Introduction to German Literature and Culture I [HUM] (4.0 cr)
  or GER 3102 - Introduction to German Literature and Culture II [HUM] (4.0 cr)
- GER 4001 - German Civilization I: From the Stone Age to 1871 [HIST] (4.0 cr)
  or GER 4002 - German Civilization II: From 1871 to the Present [HIST] (4.0 cr)

**Selection of Elective Courses**

Other elective courses, not listed below, may be appropriate to add depth and provide more theoretical context for the German studies coursework (requires written approval of the course instructor and the program coordinator).

Elective credits must be from upper division (3xxx or 4xxx) courses and 4 or more upper division elective credits must be either in German courses or in courses where some work is done in German (3xxx-4xxx German or Partial German Electives).

**Elective Courses**

Courses listed under the "3xxx-4xxx German and Partial German Electives" heading that are outside of the German discipline (e.g., HIST 3209) require written approval of the course instructor and the program coordinator prior to registration.

Take 12 or more credit(s) from the following:

**3xxx-4xxx German and Partial German Electives**

Take 12 or more credit(s) from the following:

- **ARTH 3132** - Castles and Cathedrals [FA] (4.0 cr)
- **ENGL 3444** - Holocaust Literature and Film [IP] (4.0 cr)
- **GER 3041** - New German Cinema [IP] (4.0 cr)
- **GER 3201** - Periods: German Classicism [HUM] (4.0 cr)
- **GER 3202** - Periods: German Romanticism [HUM] (4.0 cr)
- **GER 3203** - Periods: German Modernism [IP] (4.0 cr)
- **GER 3601** - Studies in German Literature [HUM] (4.0 cr)
- **GER 3611** - Austrian Studies [HUM] (4.0 cr)
- **HIST 3101** - Renaissance and Reformation [HIST] (4.0 cr)
- **HIST 3204** - Nazi Germany [HIST] (4.0 cr)
- **HIST 3209** - Modern Germany [HIST] (4.0 cr)
- **HIST 3101** - Renaissance and Reformation [HIST] (4.0 cr)
- **HIST 3204** - Nazi Germany [HIST] (4.0 cr)
- **HIST 3209** - Modern Germany [HIST] (4.0 cr)
- **HIST 3209** - Modern Germany [HIST] (4.0 cr)
- **GER 4001** - German Civilization I: From the Stone Age to 1871 [HIST] (4.0 cr)
- **GER 4002** - German Civilization II: From 1871 to the Present [HIST] (4.0 cr)

**German-related Content Electives**

Exclusive of those used above

Take at most 8 credit(s) from the following:

- **ENGL 4004** - Research Seminar: Old English Literature and Language (4.0 cr)
- **HIST 3101** - Renaissance and Reformation [HIST] (4.0 cr)
- **HIST 3204** - Nazi Germany [HIST] (4.0 cr)
- **HIST 3209** - Modern Germany [HIST] (4.0 cr)
- **PHIL 4002** - Existentialism [HIST] (4.0 cr)

**Supplemental Electives**

Take at most 4 credit(s) from the following:

- **ARTH 3201** - 19th-Century European Art through Post-Impressionism [FA] (4.0 cr)
- **ARTH 3211** - Early Modernist Art: Symbolism to Surrealism [FA] (4.0 cr)
- **ENGL 3021** - Grammar and Language [HUM] (4.0 cr)
- **ENGL 3411** - Critical Approaches to Literature (4.0 cr)
- **MUS 3101** - Core Studies III: Medieval, Renaissance, and Baroque Music [HIST] (4.0 cr)
• MUS 3102 - Core Studies III: Classical, Romantic, and 20th-Century Music [FA] (4.0 cr)
Morris Campus
German Studies Minor
Division of Humanities - Adm

Division of Humanities

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 32

This is an interdisciplinary program housed in the Division of the Humanities. The program is administered by the German studies coordinator and the chair of the Division of the Humanities.

The German Studies curriculum includes the language, literature, film, linguistics, history and culture of German-speaking countries and Germanic Languages. The courses are designed to enhance students' understanding of their own language and culture through introduction to another. Our courses expand students' ability to think by giving them a new tool with which to do so. The courses are carefully sequenced to incrementally increase student aptitude in the one skill upon which everything else they could possibly do or study relies: language. Expansion of thought in any field of study requires the acquisition of new language. Learning the German language provides students with direct access to the world's fourth largest economy as well as the sister economies of the other German speaking countries (Germany, Austria, Switzerland). Additionally students gain intimate knowledge of a linguistic tradition and culture that has produced innovation in almost every field of study pursued on campus, thereby benefitting students regardless of their main area of concentration.

Objectives - Learning an entirely new linguistic idiom increases ones' ability to think and neurological studies have shown that it actually grows brain cells. Our primary goal is to enable students to become culturally competent. We have constructed the curriculum to increase student confidence and social skills by capitalizing on their innate and extant ability to use language and demonstrating to them that they can acquire another language, while also providing an understanding of language itself that will enable them to acquire further languages. The intellectual and practical skills enable students to gain a deeper understanding of the roles of individuals in society as well as building upon their capacity for integrative learning. Our program aims to provide students with opportunities that will enable them to directly apply newly acquired linguistic abilities, cultural knowledge and social skills in their chosen area of study through study abroad, internships and professional exchanges.

Study Abroad
In light of today's increasingly interdependent world, the German faculty strongly encourages study abroad in combination with a German Studies major or minor, as a most effective means by which to:
- improve language abilities
- broaden academic horizons
- globalize one's world view
- expand career opportunities

Study in Austria and Germany - 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. Language prerequisites vary for each program. Through the Academic Center for Enrichment, students may explore further opportunities.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
Students are required to take 2 semester(s) of German.

No grades below C- are allowed. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
- GER 2001 - Intermediate German I [IP] (4.0 cr)
- GER 2002 - Intermediate German II [IP] (4.0 cr)
- GER 3333 - Advanced German Grammar [IP] (4.0 cr)
GER 4101 - History of the German Language [HIST] (4.0 cr)
GER 3101 - Introduction to German Literature and Culture I [HUM] (4.0 cr)
or GER 3102 - Introduction to German Literature and Culture II [HUM] (4.0 cr)
GER 4001 - German Civilization I: From the Stone Age to 1871 [HIST] (4.0 cr)
or GER 4002 - German Civilization II: From 1871 to the Present [HIST] (4.0 cr)

Selection of Elective Courses
Other elective courses, not listed below, may be appropriate to add depth and provide more theoretical context for the German studies coursework (requires written approval of the course instructor and the program coordinator).

At least 4 of the 8 elective credits must be upper division German courses or in courses where some work is done in German (3xxx-4xxx German or Partial German Electives).

Elective Courses
Courses listed under the "3xxx-4xxx German and Partial German Electives" heading that are outside of the German discipline (e.g., HIST 3209) require written approval of the course instructor and the program coordinator prior to registration.

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

3xxx-4xxx German and Partial German Electives
Take 4 or more credit(s) from the following:
- ARTH 3132 - Castles and Cathedrals [FA] (4.0 cr)
- ENGL 3444 - Holocaust Literature and Film [IP] (4.0 cr)
- GER 3041 - New German Cinema [IP] (4.0 cr)
- GER 3201 - Periods: German Classicism [HUM] (4.0 cr)
- GER 3202 - Periods: German Romanticism [HUM] (4.0 cr)
- GER 3203 - Periods: German Modernism [IP] (4.0 cr)
- GER 3601 - Studies in German Literature [HUM] (4.0 cr)
- GER 3611 - Austrian Studies [HUM] (4.0 cr)
- HIST 3101 - Renaissance and Reformation [HIST] (4.0 cr)
- HIST 3204 - Nazi Germany [HIST] (4.0 cr)
- HIST 3209 - Modern Germany [HIST] (4.0 cr)

German-related Content Electives
Exclusive of those used above
Take at most 4 credit(s) from the following:
- ENGL 4004 - Research Seminar: Old English Literature and Language (4.0 cr)
- HIST 2103 - Medieval Europe [HIST] (4.0 cr)
- HIST 3101 - Renaissance and Reformation [HIST] (4.0 cr)
- HIST 3204 - Nazi Germany [HIST] (4.0 cr)
- HIST 3209 - Modern Germany [HIST] (4.0 cr)
- PHIL 4002 - Existentialism [HIST] (4.0 cr)
Morris Campus
Music B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 41 to 42
- Degree: Bachelor of Arts

The music curriculum offers a wide range of courses for the music major. It also has strong appeal to the general student, especially in the activities of the instrumental and vocal ensembles.

Objectives:
1. Musicianship: Students will demonstrate proficiency in aural and keyboard musicianship.

2. Performance: In their area of specialization students will confidently interpret and perform a wide range of music literature in a public venue.

3. Music in a Historic and Cultural Context: Students will listen to and write about music critically and will be able to apply stylistic principles to the music they perform.

4. Music Theory: Students will have a command of undergraduate music theory concepts, contrapuntal techniques, and musical forms.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Students with advisers in other disciplines are strongly encouraged to consult regularly with a music faculty adviser.

Required Courses
Music theory courses (1101, 1102, 2101, 2102) are taken concurrently with piano lessons or functional keyboard for the Music Major, Mus 1111, 1112, 2111, 2112 until the piano proficiency test is passed.

Students must enroll in MUS 1000 seven times.
MUS 1000 - Concert Attendance (0.5 cr)
MUS 1101 - Core Studies I: Music Theory I [M/SR] (4.0 cr)
MUS 1102 - Core Studies I: Music Theory II [M/SR] (4.0 cr)
MUS 2101 - Core Studies II: Music Theory III [FA] (4.0 cr)
MUS 2102 - Core Studies II: Music Theory IV [FA] (4.0 cr)
MUS 3101 - Core Studies III: Medieval, Renaissance, and Baroque Music [HIST] (4.0 cr)
MUS 3102 - Core Studies III: Classical, Romantic, and 20th-Century Music [FA] (4.0 cr)
MUS 4901 - Senior Project and Portfolio (1.0 cr)

Piano proficiency

7 credits in individual performance studies in the applied area, of which a minimum of two semesters must be in the MUS 32XX-Advanced Individual Performance Studies series.

Elective Courses

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

• MUS 3051 - Piano Pedagogy I [ART/P] (2.0 cr)
• MUS 3052 - Piano Pedagogy II [ART/P] (2.0 cr)
• MUS 3311 - Conducting Techniques (2.0 cr)
• MUS 3321 - Instrumental Conducting and Materials (2.0 cr)
• MUS 3331 - Choral Conducting and Materials (2.0 cr)
• MUS 3353 - Music Arranging and Orchestration (2.0 cr)
• MUS 3993 - Directed Study (1.0 - 5.0 cr)
• MUS 3xxx
• MUS 4101 - Form and Analysis (4.0 cr)
• MUS 4102 - Counterpoint (4.0 cr)
• MUS 4103 - Seminar: Topics in Music History (4.0 cr)
• MUS 4110 - Seminar: Advanced Music Theory and Analysis (4.0 cr)
• MUS 4xxx
Morris Campus
Music Minor
Division of Humanities - Adm
Division of Humanities

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2015
- Required credits in this minor: 26

The music curriculum offers a wide range of courses for the music minor. It also has strong appeal to the general student, especially in the activities of the instrumental and vocal ensembles.

Objectives:
1. Musicianship: Students will demonstrate proficiency in aural and keyboard musicianship.
2. Performance: In their area of specialization students will confidently interpret and perform a wide range of music literature in a public venue.
3. Music in a Historic and Cultural Context: Students will listen to and write about music critically and will be able to apply stylistic principles to the music they perform.
4. Music Theory: Students will have a command of undergraduate music theory concepts, contrapuntal techniques, and musical forms.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

Minor Requirements
No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Concert Attendance
Four successful completions of MUS 1000
MUS 1000 - Concert Attendance (0.5 cr)

Individual Performance Studies
Applied Music Area
4 cr from MUS 12xx, all must be from the same instrument.

Piano Proficiency
4 cr in MUS 1200 or Mus 1111-1112, 2111-2112 sequence unless it is the main applied instrument area. If so, requirements differ, see Music faculty or discipline website.

MUS 1101 - Core Studies I: Music Theory I [M/SR] (4.0 cr)
MUS 1102 - Core Studies I: Music Theory II [M/SR] (4.0 cr)
MUS 3101 - Core Studies III: Medieval, Renaissance, and Baroque Music [HIST] (4.0 cr)
MUS 3102 - Core Studies III: Classical, Romantic, and 20th-Century Music [FA] (4.0 cr)
Morris Campus
Philosophy B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 38
- Degree: Bachelor of Arts

The philosophy program provides an environment in which students receive rich, well-rounded instruction in philosophy whose pursuit is essential to a liberal arts education.

Objectives--UMM's Philosophy curriculum offers coursework in all major subfields of philosophy: the history of philosophy, metaphysics and logic, epistemology, and values. As a field of study, philosophy is at the core of a liberal arts education, as its skills encourage independent thought and interdisciplinary, integrated inquiry. Specifically, UMM's Philosophy program offers students the opportunity to:
* explore philosophy's fundamental questions and proposed answers;
* cultivate their own philosophical powers, which include creativity, sensitivity, intellectual courage, open mindedness and critical mindedness, logical rigor, and analytical precision;
* join the great conversation by contributing their own considered insights;
* hone their ability to speak and write effectively.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
PHIL 1101 - Introduction to Philosophy [HUM] (4.0 cr)

or PHIL 1801 - THINK: An Introduction to Philosophy [IC] (4.0 cr)

PHIL 2101 - Introduction to Symbolic Logic [M/SR] (4.0 cr)

PHIL 2111 - Introductory Ethics [HUM] (4.0 cr)

Core Courses
Take 12 or more credit(s) from the following:

PHIL 3101 - Metaphysics [HUM] (4.0 cr)

PHIL 3121 - Political Philosophy [SS] (4.0 cr)

PHIL 3141 - The Theory of Knowledge [HUM] (4.0 cr)

PHIL 3151 - History of Ancient Philosophy [HIST] (4.0 cr)

PHIL 3171 - History of Modern Philosophy [HIST] (4.0 cr)

PHIL 4111 - Ethical Theory [HUM] (4.0 cr)

Advanced Seminar
One 49xx course from the following:
Elective Courses
Take 8 or more credit(s) from the following:

- PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)
- PHIL 2113 - International and Biomedical Ethics [HUM] (4.0 cr)
- PHIL 2114 - Environmental Ethics [ENVT] (4.0 cr)
- PHIL 2121 - Philosophy of Religion [HUM] (4.0 cr)
- PHIL 2141 - Analytic Feminism [HUM] (4.0 cr)
- PHIL 2151 - Philosophy of Mind [HUM] (4.0 cr)
- PHIL 2161 - Philosophy and Film [HUM] (4.0 cr)
- PHIL 2162 - Ethics of Love and Sex [HUM] (4.0 cr)
- PHIL 3112 - Free Will [HUM] (4.0 cr)
- PHIL 3131 - Philosophy of Law [SS] (4.0 cr)
- PHIL 3162 - The Scottish Enlightenment: Markets, Minds, and Morals [IP] (4.0 cr)
- PHIL 4000 - History of Philosophy Seminar [HIST] (4.0 cr)
- PHIL 4002 - Existentialism [HIST] (4.0 cr)
- PHIL 4100 - Moral Issues and Theories [HUM] (4.0 cr)
- PHIL 4121 - Philosophy of Language [HUM] (4.0 cr)
- PHIL 4130 - Contemporary Issues in Philosophy [HUM] (4.0 cr)
- PHIL 4131 - Personal Identity, Proper Names, and Essences [HUM] (4.0 cr)

Additional 4xxx Elective
One additional 4xxx course exclusive of those used to meet other major requirements or electives.
Take 4 or more credit(s) from the following:

- PHIL 4xxx
Morris Campus
Philosophy Minor
Division of Humanities - Adm

Program Type: Undergraduate minor related to major
Requirements for this program are current for Fall 2015
Required credits in this minor: 24
This program requires summer terms.

The philosophy program provides an environment in which students receive rich, well-rounded instruction in philosophy essential to a liberal arts education.

Objectives--UMM's Philosophy curriculum offers coursework in all major subfields of philosophy: the history of philosophy, metaphysics and logic, epistemology, and values. As a field of study, philosophy is at the core of a liberal arts education, as its skills encourage independent thought and interdisciplinary, integrated inquiry. Specifically, UMM's Philosophy program offers students the opportunity to:
* explore philosophy's fundamental questions and proposed answers;
* cultivate their own philosophical powers, which include creativity, sensitivity, intellectual courage, open mindedness and critical mindedness, logical rigor, and analytical precision;
* join the great conversation by contributing their own considered insights;
* hone their ability to speak and write effectively.

Program Delivery
This program is available:
* via classroom (the majority of instruction is face-to-face)

Minor Requirements
No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.
A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework.
Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Take 8 or more credit(s) from the following:
• PHIL 2101 - Introduction to Symbolic Logic [M/SR] (4.0 cr)
• PHIL 2111 - Introductory Ethics [HUM] (4.0 cr)
• PHIL 1101 - Introduction to Philosophy [HUM] (4.0 cr)
  or PHIL 1801 - THINK: An Introduction to Philosophy [IC] (4.0 cr)

Core Courses
Take 8 or more credit(s) from the following:
• PHIL 3101 - Metaphysics [HUM] (4.0 cr)
• PHIL 3121 - Political Philosophy [SS] (4.0 cr)
• PHIL 3141 - The Theory of Knowledge [HUM] (4.0 cr)
• PHIL 3151 - History of Ancient Philosophy [HIST] (4.0 cr)
• PHIL 3171 - History of Modern Philosophy [HIST] (4.0 cr)
• PHIL 4111 - Ethical Theory [HUM] (4.0 cr)

Elective Courses
Take 8 or more credit(s) from the following:
• PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)
• PHIL 2113 - International and Biomedical Ethics [HUM] (4.0 cr)
• PHIL 2114 - Environmental Ethics [ENVT] (4.0 cr)
• PHIL 2121 - Philosophy of Religion [HUM] (4.0 cr)
• PHIL 2141 - Analytic Feminism [HUM] (4.0 cr)
• PHIL 2151 - Philosophy of Mind [HUM] (4.0 cr)
• PHIL 2161 - Philosophy and Film [HUM] (4.0 cr)
• PHIL 2162 - Ethics of Love and Sex [HUM] (4.0 cr)
• PHIL 3112 - Free Will [HUM] (4.0 cr)
• PHIL 3131 - Philosophy of Law [SS] (4.0 cr)
• PHIL 3162 - The Scottish Enlightenment: Markets, Minds, and Morals [IP] (4.0 cr)
• PHIL 4000 - History of Philosophy Seminar [HIST] (4.0 cr)
• PHIL 4002 - Existentialism [HIST] (4.0 cr)
• PHIL 4100 - Moral Issues and Theories [HUM] (4.0 cr)
• PHIL 4121 - Philosophy of Language [HUM] (4.0 cr)
• PHIL 4130 - Contemporary Issues in Philosophy [HUM] (4.0 cr)
• PHIL 4131 - Personal Identity, Proper Names, and Essences [HUM] (4.0 cr)
Morris Campus
Spanish B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 40
- Degree: Bachelor of Arts

Spanish is spoken by many people—more than 28 million in the U.S., 132,000 in Minnesota, and more than 300,000,000 worldwide. With a rich and diverse history, it is also a language essential to the contemporary world in areas such as education, business, health care, international relations, and law. The Spanish discipline offers courses that emphasize the richness and diversity of Hispanic culture, and prepares students with a range of linguistic and critical skills applicable to a wide variety of potential careers or further advanced study in a range of fields.

Objectives—The Spanish curriculum offers coursework in Hispanic cultures, languages, literatures, and films. The courses are designed to help students develop critical insight into the philosophies and values of other cultures, proficiency in a second language, and sensitivity toward literature and film that reflect the experiences of the Spanish-speaking world. The curriculum accommodates liberal arts students interested in a cross-cultural perspective, language study, secondary school teaching, working for nonprofit organizations and social services, or preparation for graduate study in Spanish and related fields.

Upon the successful completion of the Spanish major (in addition to participation in a study abroad experience to a Spanish-speaking country and to engagement in outreach activities widely available across campus), students should be able to:
* Recognize and develop strategies to support and improve their Spanish language proficiencies in reading, writing, speaking and listening;
* Refine their cross-cultural and intercultural awareness;
* Expand their critical thinking, analytical competencies and problem solving skills;
* Discover and critically evaluate the traditions, philosophies, values, artistic expressions, and histories of the cultures of Spain and Latin America;
* Design and conduct in-depth, sustained, analytical research in Spanish.

STUDY ABROAD
In light of today’s increasingly interdependent world, the UMM Spanish faculty endorses study abroad, in combination with a Spanish major or minor, as the most effective means by which to
* improve language abilities
* broaden academic horizons
* globalize one's world view
* expand career opportunities
* advance cross-cultural and problem-solving skills
* gain confidence in oneself personally and professionally

ADVISING FOR THE SPANISH MAJOR
It is strongly recommended that students majoring or minoring in Spanish meet with a Spanish faculty member to plan for a timely and successful completion of their program, even if their primary academic adviser is in another discipline.

Program Delivery
This program is available:
* via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.
Program Requirements

Students are required to take 2 semester(s) of Spanish.

Students must complete Span 1001 and Span 1002 or equivalent previous language experience (e.g. placement exam, transfer credit) required to take intermediate Spanish before beginning the major.

No grades below C- are allowed. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

A foreign study experience, regular use of the Language Teaching Center, and participation in outreach and educational activities such as the weekly Conversation Table (la Mesa de conversacion), the Jane Addams School of Democracy and the Community ESL program are strongly recommended to enhance language skills and cultural competency. Latin American Area Studies courses are also recommended as a complement to courses in the Spanish discipline.

Students majoring in Spanish are encouraged to take at least one year of instruction in another foreign language.

Required Courses

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>SPAN 2001</td>
<td>Intermediate Spanish I [IP]</td>
<td>4.0 cr</td>
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<tr>
<td>SPAN 2002</td>
<td>Intermediate Spanish II [IP]</td>
<td>4.0 cr</td>
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<tr>
<td>SPAN 3011</td>
<td>Conversation, Composition, and Culture [IP]</td>
<td>2.0 cr</td>
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<td>SPAN 3012</td>
<td>Spanish Grammar in Practice [IP]</td>
<td>2.0 cr</td>
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<tr>
<td>SPAN 3111</td>
<td>Readings in Spanish I [HUM]</td>
<td>2.0 cr</td>
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<tr>
<td>SPAN 3112</td>
<td>Readings in Spanish II [HUM]</td>
<td>2.0 cr</td>
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<tr>
<td>SPAN 3211</td>
<td>Literature and Culture of Latin America [HUM]</td>
<td>4.0 cr</td>
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<tr>
<td>SPAN 3212</td>
<td>Literature and Culture of Spain [HUM]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>SPAN 4001</td>
<td>Research Symposium [HUM]</td>
<td>4.0 cr</td>
</tr>
</tbody>
</table>

Elective Courses

Take 12 or more credit(s) from the following:

- SPAN 3651 - Seminar: Miguel de Cervantes Saavedra's "El ingenioso hidalgo Don Quijote de la Mancha" [HUM] (4.0 cr)
- SPAN 3654 - Seminar: Sex, Love, and Marriage in Golden Age Spanish Literature [HUM] (4.0 cr)
- SPAN 3681 - Seminar: Romanticism and Revolution in 19th-Century Spain [HUM] (4.0 cr)
- SPAN 3682 - Seminar: Realism and Reform in 19th-Century Spain [HUM] (4.0 cr)
- SPAN 3683 - Seminar: Modernity and Identity in Spain, 1900-1930 [HUM] (4.0 cr)
- SPAN 3684 - Seminar: Hispanic Film [HUM] (4.0 cr)
- SPAN 3685 - Seminar: Slavery and Abolition in Cuban Literature and Culture [IP] (4.0 cr)
- SPAN 3686 - Seminar: Writing History in Spanish American Literature [HUM] (4.0 cr)
- SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)
- SPAN 3688 - Seminar: Literature and Gender in Nineteenth-Century Spain [HUM] (4.0 cr)
Morris Campus
Spanish Minor
Division of Humanities - Adm
Division of Humanities

● Program Type: Undergraduate minor related to major
● Requirements for this program are current for Fall 2015
● Required credits in this minor: 32

Spanish is spoken by many people—more than 28 million in the U.S., 132,000 in Minnesota, and more than 300,000,000 worldwide. With a rich and diverse history, it is also a language essential to the contemporary world in areas such as education, business, health care, international relations, and law. The Spanish discipline offers courses that emphasize the richness and diversity of Hispanic culture, and prepares students with a range of linguistic and critical skills applicable to a wide variety of potential careers or further advanced study in a range of fields.

Objectives—The Spanish curriculum offers coursework in Hispanic cultures, languages, literatures, and films. The courses are designed to help students develop critical insight into the philosophies and values of other cultures, proficiency in a second language, and sensitivity toward literature and film that reflect the experiences of the Spanish-speaking world. The curriculum accommodates liberal arts students interested in a cross-cultural perspective, language study, secondary school teaching, working for nonprofit organizations and social services, or preparation for graduate study in Spanish and related fields.

STUDY ABROAD
In light of today’s increasingly interdependent world, the UMM Spanish faculty endorses study abroad, in combination with a Spanish major or minor, as the most effective means by which to
* improve language abilities
* broaden academic horizons
* globalize one's world view
* expand career opportunities
* advance cross-cultural and problem-solving skills
* gain confidence in oneself personally and professionally

ADVISING FOR THE SPANISH MAJOR
It is strongly recommended that students majoring or minoring in Spanish meet with a Spanish faculty member to plan for a timely and successful completion of their program, even if their primary academic adviser is in another discipline.

Program Delivery
This program is available:
● via classroom (the majority of instruction is face-to-face)

Minor Requirements
Students are required to take 2 semester(s) of Spanish.

Students must complete Span 1001 and Span 1002 or equivalent previous language experience (e.g. placement exam, transfer credit) required to take intermediate Spanish before beginning the minor.

A foreign study experience, regular use of the Language Teaching Center, and participation in outreach and educational activities such as the weekly Conversation Table (la Mesa de conversacion), the Jane Addams School of Democracy and the Community ESL program are strongly recommended to enhance language skills and cultural competency. Latin American Area Studies courses are also recommended as a complement to courses in the Spanish discipline.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of “F” are included in GPA calculation until they are replaced.

Required Courses
SPAN 2001 - Intermediate Spanish I [IP] (4.0 cr)
SPAN 2002 - Intermediate Spanish II [IP] (4.0 cr)
SPAN 3011 - Conversation, Composition, and Culture [IP] (2.0 cr)
SPAN 3012 - Spanish Grammar in Practice [IP] (2.0 cr)
SPAN 3111 - Readings in Spanish I [HUM] (2.0 cr)
SPAN 3112 - Readings in Spanish II [HUM] (2.0 cr)
SPAN 3211 - Literature and Culture of Latin America [HUM] (4.0 cr)
SPAN 3212 - Literature and Culture of Spain [HUM] (4.0 cr)

Elective Courses
Take 8 or more credit(s) from the following:
• SPAN 3651 - Seminar: Miguel de Cervantes Saavedra’s “El ingenioso hidalgo Don Quijote de la Mancha” [HUM] (4.0 cr)
• SPAN 3654 - Seminar: Sex, Love, and Marriage in Golden Age Spanish Literature [HUM] (4.0 cr)
• SPAN 3681 - Seminar: Romanticism and Revolution in 19th-Century Spain [HUM] (4.0 cr)
• SPAN 3682 - Seminar: Realism and Reform in 19th-Century Spain [HUM] (4.0 cr)
• SPAN 3683 - Seminar: Modernity and Identity in Spain, 1900-1930 [HUM] (4.0 cr)
• SPAN 3684 - Seminar: Hispanic Film [HUM] (4.0 cr)
• SPAN 3685 - Seminar: Slavery and Abolition in Cuban Literature and Culture [IP] (4.0 cr)
• SPAN 3686 - Seminar: Writing History in Spanish American Literature [HUM] (4.0 cr)
• SPAN 3687 - Seminar: Afro-Hispanic Literature and Culture [HDIV] (4.0 cr)
• SPAN 3698 - Seminar: Literature and Gender in Nineteenth-Century Spain [HUM] (4.0 cr)
Morris Campus
Studio Art B.A.
Division of Humanities - Adm

Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2015
- Required credits to graduate with this degree: 120
- Required credits within the major: 52
- Degree: Bachelor of Arts

Studio art includes studies in the traditional areas of the visual arts, as well as in contemporary concerns and techniques. Students are introduced to the skills of critical analysis of works of art and to a variety of media and approaches to their use. In addition, the discipline supports co-curricular activities, including the UMM Student Art Club, student exhibitions, and guest speakers.

Objectives:
1. Students will be introduced to the technical skills necessary to activities in the visual arts; this includes materials, techniques, the safe use of tools, and the safe disposal of waste.
2. Students will be introduced to the concepts necessary to activities in the visual arts; this includes the formal elements of art, as well as learning to think independently, understanding the historical and contemporary development of art and their place in it, the relationship of art to self, culture, and society, and to question and examine everything with a critical eye.
3. Students will be introduced to verbal / communication skills necessary to activities in the visual arts; this includes the ability to talk clearly and thoughtfully about their own art as well as the art of others.
4. Students will be introduced to the major traditions of art and the place of visual arts in our culture.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Studio courses are assessed an individual lab fee.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Basic studio is preparation for advanced work in studio art. The three related parts must be taken concurrently and in sequence during the first year. One 1xxx art history course is also recommended during the first year.

Required Courses
First Term of Basic Studio
- ARTS 1101 - Basic Studio Drawing I [ART/P] (2.0 cr)
- with ARTS 1103 - Basic Studio 2-D Design [ART/P] (2.0 cr)
- with ARTS 1105 - Basic Studio Discussion I [ART/P] (1.0 cr)
Second Term of Basic Studio
ARTS 1102 - Basic Studio Drawing II [ART/P] (2.0 cr)  
with ARTS 1104 - Basic Studio 3-D Design [ART/P] (2.0 cr)  
with ARTS 1106 - Basic Studio Discussion II [ART/P] (1.0 cr)

**Second Year Drawing**  
ARTS 2101 - Drawing From Life I [ART/P] (3.0 cr)  
ARTS 2102 - Drawing From Life II [ART/P] (3.0 cr)

**Second Year Portfolio Review**

**Senior Thesis Project**  
ARTS 4902 - Senior Thesis Project I (2.0 cr)  
ARTS 4903 - Senior Thesis Project II (1.0 cr)

**Concentrated Studio Art Courses - First Medium**

**Printmaking**
complete 12 credits  
ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)  
ARTS 3210 - Printmaking Studio II [ART/P] (3.0 cr)

**or Painting**
complete 12 credits  
ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)  
ARTS 3310 - Painting Studio II [ART/P] (3.0 cr)

**or Sculpture**
complete 12 credits  
ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)  
ARTS 3410 - Sculpture Studio II [ART/P] (3.0 cr)

**or Ceramics**
complete 12 credits  
ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)  
ARTS 3650 - Advanced Ceramics [ART/P] (3.0 cr)

**or Drawing**
complete 12 credits  
ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)  
ARTS 3110 - Advanced Drawing II [ART/P] (3.0 cr)

**or Photography/Digital Imaging**
complete 12 credits  
ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)  
ARTS 3510 - Photographic and Digital Processes II [ART/P] (3.0 cr)

**Concentrated Studio Art Courses - Second Medium**

The medium chosen must be different from first medium

**Printmaking**
complete 6 credits  
ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)  
ARTS 3210 - Printmaking Studio II [ART/P] (3.0 cr)

**or Painting**
complete 6 credits  
ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)  
ARTS 3310 - Painting Studio II [ART/P] (3.0 cr)

**or Sculpture**
complete 6 credits  
ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)  
ARTS 3410 - Sculpture Studio II [ART/P] (3.0 cr)

**or Ceramics**
complete 6 credits  
ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)  
ARTS 3650 - Advanced Ceramics [ART/P] (3.0 cr)

**or Drawing**
complete 6 credits  
ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)  
ARTS 3110 - Advanced Drawing II [ART/P] (3.0 cr)

**or Photography/Digital Imaging**
complete 6 credits  
ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)  
ARTS 3510 - Photographic and Digital Processes II [ART/P] (3.0 cr)

**Elective Courses**
An additional 15 credits in art, studio (exclusive of those used to meet required courses) and art history. Art, studio electives can be selected from any medium above or the following:
Art Studio Electives
Take 3 or more credit(s) from the following:
• ARTS 3002 - Media Studies: Artist's Books [ART/P] (3.0 cr)
• ARTS 3004 - Media Studies: Mural Project and Public Art [ART/P] (3.0 cr)
• ARTS 3006 - Media Studies: Feminist Art: A Studio Perspective [ART/P] (3.0 cr)
• ARTS 3007 - Media Studies: Printmaking [ART/P] (3.0 cr)
• ARTS 3012 - Media Studies: Ceramics [ART/P] (3.0 cr)
• ARTS 3013 - Media Studies: Painting [ART/P] (3.0 cr)
• ARTS 2xxx
• ARTS 3xxx
• ARTS 4xxx

Art History Electives
Take 12 or more credit(s) from the following:
• ARTH 1101 - Principles of Art [FA] (4.0 cr)
• ARTH 1111 - Ancient to Medieval Art [FA] (4.0 cr)
• ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)
• ARTH 2102 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
• ARTH 2103 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
• ARTH 3112 - Art and the Byzantine Empire [FA] (4.0 cr)
• ARTH 3113 - Early Islamic Art and Culture [FA] (4.0 cr)
• ARTH 3142 - Art of the Italian Renaissance, 1300-1520 [FA] (4.0 cr)
• ARTH 3161 - 16th-Century Italian Art [FA] (4.0 cr)
• ARTH 3171 - Baroque Art [FA] (4.0 cr)
• ARTH 3191 - American Art to 1900 [FA] (4.0 cr)
• ARTH 3201 - 19th-Century European Art through Post-Impressionism [FA] (4.0 cr)
• ARTH 3211 - Early Modernist Art: Symbolism to Surrealism [FA] (4.0 cr)
• ARTH 3221 - American Art from the End of Modernism to the Postmodern Present [FA] (4.0 cr)
• ARTH 3231 - History of Photography [FA] (4.0 cr)
• ARTH 3241 - African American Art [FA] (4.0 cr)
• ARTH 3261 - Chinese Art [FA] (4.0 cr)
• ARTH 3281 - Women and Art [FA] (4.0 cr)
• ARTH 3291 - Facing the Past: Portraiture and Social History [FA] (4.0 cr)
• ARTH 1xxx
• ARTH 2xxx
• ARTH 3xxx
Division of Humanities

Program Type: Undergraduate minor related to major
Requirements for this program are current for Fall 2015
Required credits in this minor: 28

Studio art includes studies in the traditional areas of the visual arts, as well as in contemporary concerns and techniques. Students are introduced to the skills of critical analysis of works of art and to a variety of media and approaches to their use. In addition, the discipline supports co-curricular activities, including the UMM Student Art Club, student exhibitions, and guest speakers.

Objectives:
1. Students will be introduced to the technical skills necessary to activities in the visual arts; this includes materials, techniques, the safe use of tools, and the safe disposal of waste.
2. Students will be introduced to the concepts necessary to activities in the visual arts; this includes the formal elements of art, as well as learning to think independently, understanding the historical and contemporary development of art and their place in it, the relationship of art to self, culture, and society, and to question and examine everything with a critical eye.
3. Students will be introduced to verbal / communication skills necessary to activities in the visual arts; this includes the ability to talk clearly and thoughtfully about their own art as well as the art of others.
4. Students will be introduced to the major traditions of art and the place of visual arts in our culture.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
Studio courses are assessed an individual lab fee.

No grades below C- are allowed. Courses may not be taken S-N, unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
Basic studio is preparation for advanced work in studio art. The three related parts must be taken concurrently and in sequence during the first year. One 1xxx art history course is also recommended during the first year.

First Term of Basic Studio
- ARTS 1101 - Basic Studio Drawing I [ART/P] (2.0 cr)
- ARTS 1103 - Basic Studio 2-D Design [ART/P] (2.0 cr)
- ARTS 1105 - Basic Studio Discussion I [ART/P] (1.0 cr)

Second Term of Basic Studio
- ARTS 1102 - Basic Studio Drawing II [ART/P] (2.0 cr)
- ARTS 1104 - Basic Studio 3-D Design [ART/P] (2.0 cr)
- ARTS 1106 - Basic Studio Discussion II [ART/P] (1.0 cr)

Drawing
- ARTS 2101 - Drawing From Life I [ART/P] (3.0 cr)
- ARTS 2102 - Drawing From Life II [ART/P] (3.0 cr)

Concentrated Studio Art Courses
Complete one 12-credit sequence in one major medium or two 6-credit sequences in different media.

A Single 12-Credit Sequence
Printmaking
Take exactly 12 credit(s) from the following:
• ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)
• ARTS 3210 - Printmaking Studio II [ART/P] (3.0 cr)

or Painting
Take exactly 12 credit(s) from the following:
• ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)
• ARTS 3310 - Painting Studio II [ART/P] (3.0 cr)

or Sculpture
Take exactly 12 credit(s) from the following:
• ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)
• ARTS 3410 - Sculpture Studio II [ART/P] (3.0 cr)

or Ceramics
Take exactly 12 credit(s) from the following:
• ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
• ARTS 3650 - Advanced Ceramics [ART/P] (3.0 cr)

or Drawing
Take exactly 12 credit(s) from the following:
• ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)
• ARTS 3110 - Advanced Drawing II [ART/P] (3.0 cr)

or Photography/Digital Imaging
Take exactly 12 credit(s) from the following:
• ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)
• ARTS 3510 - Photographic and Digital Processes II [ART/P] (3.0 cr)

or Two 6-Credit Sequences
Take 2 or more sub-requirements(s) from the following:

Printmaking
Take exactly 6 credit(s) from the following:
• ARTS 3200 - Printmaking Studio I [ART/P] (3.0 cr)
• ARTS 3210 - Printmaking Studio II [ART/P] (3.0 cr)

Painting
Take exactly 6 credit(s) from the following:
• ARTS 3300 - Painting Studio I [ART/P] (3.0 cr)
• ARTS 3310 - Painting Studio II [ART/P] (3.0 cr)

Sculpture
Take exactly 6 credit(s) from the following:
• ARTS 3400 - Sculpture Studio I [ART/P] (3.0 cr)
• ARTS 3410 - Sculpture Studio II [ART/P] (3.0 cr)

Ceramics
Take exactly 6 credit(s) from the following:
• ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
• ARTS 3650 - Advanced Ceramics [ART/P] (3.0 cr)

Drawing
Take exactly 6 credit(s) from the following:
• ARTS 3100 - Advanced Drawing I [ART/P] (3.0 cr)
• ARTS 3110 - Advanced Drawing II [ART/P] (3.0 cr)

Photography/Digital Imaging
Take exactly 6 credit(s) from the following:
• ARTS 3500 - Photographic and Digital Processes I [ART/P] (3.0 cr)
• ARTS 3510 - Photographic and Digital Processes II [ART/P] (3.0 cr)
Morris Campus
Theatre Arts B.A.
Division of Humanities - Adm

Program Type: Baccalaureate
Requirements for this program are current for Fall 2015
Required credits to graduate with this degree: 120
Required credits within the major: 38 to 41
Degree: Bachelor of Arts

The discipline encompasses theatre as an artistic form and as a social and cultural institution. The study of theatre arts enables the individual to develop a creative imagination, an inquiring mind, a sense of social responsibility, professional discipline, a collaborative attitude, artistic standards and judgment, and a respect for the art form.

Objectives
The theatre arts curriculum is designed to ensure that students
- understand the theories and process of theatrical production;
- are able to apply theories and skills learned in the classroom to the practice of theatre both through discipline productions and other venues;
- gain the physical and intellectual skills necessary to embody character, interpret a play, or envision the visual and aural elements of the world of the play;
- are able to analyze a theatrical text so that they may in turn conceptualize and execute its design and performance;
- learn to collaborate as a team in the production of theatre and, through critical thinking, learn how to solve the problems that must be addressed throughout the process;
- develop competence in the technologies necessary to the design and production of theatre;
- learn the historical and cultural significance of theatre and theatrical literature;
- are competent in oral and written communication; and
- are adequately prepared for graduate or professional school.

Program Delivery
This program is available:
- via classroom (the majority of instruction is face-to-face)

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

General Requirements
All students are required to complete general University and college requirements. For more information, see the general education requirements.

Program Requirements
Students are required to take 2 semester(s) of any second language.

Up to 4 credits of coursework with a grade of D or D+ may be used to meet the major requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the major to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
- TH 1101 - The Theatre Experience: An Introduction [FA] (4.0 cr)
- TH 1111 - Fundamentals of Acting [ART/P] (4.0 cr)
- TH 1301 - Fundamentals of Design [ART/P] (4.0 cr)
- TH 2101 - Fundamentals of Directing [ART/P] (4.0 cr)
- TH 2301 - Stagecraft [ART/P] (4.0 cr)
- TH 3101 - World Theatre: History and Literature I [FA] (4.0 cr)
- TH 3102 - World Theatre: History and Literature II [FA] (4.0 cr)
TH 3201 - Advanced Acting [ART/P] (4.0 cr)  
or TH 3202 - Advanced Directing [ART/P] (4.0 cr)  
TH 4901 - Senior Project (2.0 - 4.0 cr)

Elective Courses
Take 4 or more credit(s) from the following:
• TH 2111 - Creative Drama with Children [ART/P] (4.0 cr)  
• TH 2201 - Voice and Movement [ART/P] (4.0 cr)  
• TH 2211 - Oral Interpretation [ART/P] (4.0 cr)  
• TH 2221 - Readers' Theatre [ART/P] (4.0 cr)  
• TH 3001 - Theatre Scene Painting Studio [FA] (4.0 cr)  
• TH 3003 - Stage Management [ART/P] (4.0 cr)  
• TH 3201 - Advanced Acting [ART/P] (4.0 cr)  
• TH 3202 - Advanced Directing [ART/P] (4.0 cr)  
• TH 3301 - Theatre Scene Painting Studio [FA] (4.0 cr)  
• TH 3303 - Stage Management [ART/P] (4.0 cr)  
• TH 3306 - Advanced Lighting and Sound Design [ART/P] (4.0 cr)  
• TH 4301 - Scenic Design [FA] (4.0 cr)

Other Requirements
At least one para-programmatic theatre experience that is arranged through a theatre arts faculty member and may take any number of forms, e.g., internship with a theatre company, study abroad, or theatre tour to New York (TH 1040) or London (TH 1050).  
Portfolio review in the third year.  
Six major production responsibilities (four of which must be in a faculty-directed production, all others must be pre-approved by faculty, and three must be in the junior and senior years).
Morris Campus
Theatre Arts Minor
Division of Humanities - Adm
Division of Humanities

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2015
• Required credits in this minor: 32

The discipline encompasses theatre as an artistic form and as a social and cultural institution. The study of theatre arts enables the individual to develop a creative imagination, an inquiring mind, a sense of social responsibility, professional discipline, a collaborative attitude, artistic standards and judgment, and a respect for the art form.

Objectives
The theatre arts curriculum is designed to ensure that students
* understand the theories and process of theatrical production;
* are able to apply theories and skills learned in the classroom to the practice of theatre both through discipline productions and other venues;
* gain the physical and intellectual skills necessary to embody character, interpret a play, or envision the visual and aural elements of the world of the play;
* are able to analyze a theatrical text so that they may in turn conceptualize and execute its design and performance;
* learn to collaborate as a team in the production of theatre and, through critical thinking, learn how to solve the problems that must be addressed throughout the process;
* develop competence in the technologies necessary to the design and production of theatre;
* learn the historical and cultural significance of theatre and theatrical literature;
* are competent in oral and written communication; and
* are adequately prepared for graduate or professional school.

Program Delivery
This program is available:
• via classroom (the majority of instruction is face-to-face)

Minor Requirements
Up to 4 credits of coursework with a grade of D or D+ may be used to meet the minor requirements if offset by an equivalent number of credits of A or B. Courses may not be taken S-N unless offered S-N only.

A minimum GPA of 2.00 is required in the minor to graduate. The GPA includes all, and only, University of Minnesota coursework. Grades of "F" are included in GPA calculation until they are replaced.

Required Courses
TH 1101 - The Theatre Experience: An Introduction [FA] (4.0 cr)
TH 1111 - Fundamentals of Acting [ART/P] (4.0 cr)
TH 1301 - Fundamentals of Design [ART/P] (4.0 cr)
TH 2101 - Fundamentals of Directing [ART/P] (4.0 cr)
TH 2301 - Stagecraft [ART/P] (4.0 cr)

Elective Courses
Take 12 or more credit(s) from the following:
• TH 2111 - Creative Drama with Children [ART/P] (4.0 cr)
• TH 2201 - Voice and Movement [ART/P] (4.0 cr)
• TH 2211 - Oral Interpretation [ART/P] (4.0 cr)
• TH 2221 - Readers' Theatre [ART/P] (4.0 cr)
• TH 3001 - Theatre Scene Painting Studio [FA] (4.0 cr)
• TH 3003 - Stage Management [ART/P] (4.0 cr)
• TH 3101 - World Theatre: History and Literature I [FA] (4.0 cr)
• TH 3102 - World Theatre: History and Literature II [FA] (4.0 cr)
• TH 3301 - Stage Lighting [ART/P] (4.0 cr)
• TH 3302 - Stage Costuming [FA] (4.0 cr)
• TH 3303 - Computer-Assisted Drawing [ART/P] (4.0 cr)
• TH 3306 - Advanced Lighting and Sound Design [ART/P] (4.0 cr)
• TH 4301 - Scenic Design [FA] (4.0 cr)
• TH 3201 - Advanced Acting [ART/P] (4.0 cr)
  or TH 3202 - Advanced Directing [ART/P] (4.0 cr)

Production Requirement
Three major production responsibilities (at least one of which must be in a faculty-directed production, and at least two must be completed in the junior and senior years).