University of Minnesota Morris

2013-15 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
American Indian Studies B.A.
Academic Affairs

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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 1701 - Global Indigenous History [IP] (4.0 cr)  
  or HIST 1701 - Global Indigenous History [IP] (4.0 cr)
- AMIN 4901 - Senior Project in American Indian Studies (4.0 cr)
- ANTH 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)  
  or HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
- ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
or ENGL 3312 - World Indigenous Literature and Film [IP] (4.0 cr)
HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
or HIST 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (4.0 cr)
or ENGL 2411 - Representations of American Indians in Popular and Academic Culture [HDIV] (4.0 cr)

Elective Courses

Students must complete at least 12 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 8 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 12 or more credit(s) from the following:

Primary American Indian Studies Electives

Take 8 or more credit(s) from the following:
• AMIN 1801 - American Indian Song and Dance [IC] (2.0 cr)
• AMIN 2993 - Directed Study (1.0 - 5.0 cr)
• AMIN 3452 - American Indian Women [HDIV] (4.0 cr)
• AMIN 3993 - Directed Study (1.0 - 5.0 cr)
• ANTH 3455 - North American Archaeology [SS] (4.0 cr)
• ENGL 2411 - Representations of American Indians in Popular and Academic Culture [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 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (4.0 cr)
• HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)

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 4 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)
• POL 3234 - Race, Class, and Power: Social Movements and Interest Groups in U.S. Politics [HDIV] (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.
**Morris Campus**

**Area of Concentration B. A.**

*Academic Services*  
*Academic Affairs*

- Program Type: Baccalaureate  
- Requirements for this program are current for Fall 2013  
- 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
Environmental Studies B.A.

Academic Affairs

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• 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 1111 - 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 - Physical Anthropology [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)
- ED 2301 - Environmental Science and Place-Based Education [ENVT] (4.0 cr)
- ENGL 2106 - Topics in Writing: The Environmental Imagination: Reading and Writing about the Natural World [ENVT] (4.0 cr)
- GEOL 2001 - Natural and Unnatural Geologic Hazards [ENVT] (4.0 cr)
- HIST 1701 - Global Indigenous History [IP] (4.0 cr)
- HIST 1812 - FIRE! An introductory Seminar to American Environmental History [IC] (4.0 cr)
- HIST 2451 - The American West [HIST] (4.0 cr)
- PHIL 2114 - Environmental Ethics [ENVT] (4.0 cr)
- PHYS 2301 - Atmospheric Physics [ENVT] (4.0 cr)
- POL 1201 - American Government and Politics [E/CR] (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 4331 - Global Change Ecology (4.0 cr)
- BIOL 4351 - Conservation Biology (4.0 cr)
- CHEM 3101 - Analytical Chemistry [SCI-L] (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)
- HIST 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (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 3169** - The Construction of Nature in British Literature [ENVT] (4.0 cr)
  • **ENGL 4012** - Research Seminar: Imagining the Earth [HUM] (4.0 cr)
  • **SPAN 3623** - Seminar: Ecology and Nature in Latin American Literature [ENVT] (4.0 cr)
Morris Campus
Latin American Area Studies B.A.
Academic Affairs

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• 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.

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. 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:
• 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)
• HIST 2608 - History of Cuba: From Colony to Revolutionary State [HIST] (4.0 cr)

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Information current as of February 25, 2013
• 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 1993 - Directed Study (1.0 - 5.0 cr)
• LAAS 2993 - Directed Study (1.0 - 5.0 cr)
• LAAS 3993 - Directed Study (1.0 - 5.0 cr)
• LAAS 4993 - Directed Study (1.0 - 5.0 cr)
• POL 3475 - International Human Rights [IP] (4.0 cr)
• POL 3504 - Latin American Politics [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)
• SPAN 2121 - Associated Languages: Intensive Portuguese [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 3261 - Seminar: Confessions and Letters in Latin American Fiction [HUM] (4.0 cr)
• SPAN 3262 - Seminar: Exile and Emigration in Latin American Fiction [IP] (4.0 cr)
• SPAN 3651 - Seminar: Miguel de Cervantes Saavedra's "El ingenioso hidalgo Don Quijote de la Mancha" [HUM] (4.0 cr)
• SPAN 3652 - Seminar: Literary Minorities in Early Modern Spain [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 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 2013
- 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 ElEd 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)
- PSY 3402 - Developmental Psychology II: Adolescence [SS] (2.0 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
   • ARTS 1050 - Beginning Ceramics [ART/P] (3.0 cr)
     or ARTS 1xxx
   • DNCE 1xxx
   • MUS 1041 - Introduction to Music [FA] (4.0 cr)
     or MUS 1xxx
   • TH 1101 - The Theatre Experience: An Introduction [FA] (4.0 cr)
     or TH 1xxx
   • 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
     • GEOG 2001 - Problems in Geography [ENVT] (4.0 cr)
   • Sub-requirement 4: History
     • HIST 1301 - Introduction to U.S. History [HIST] (4.0 cr)
     or HIST 1xxx
   • Sub-requirement 5: Political Science
     • POL 1201 - American Government and Politics [E/CR] (4.0 cr)
     or POL 1xxx
   • Sub-requirement 6: Sociology
     • SOC 1101 - Introductory Sociology [SS] (4.0 cr)
     or SOC 1xxx
     • 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 - Environmental Science and Place-Based Education [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
Engl 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

Middle Level Education Endorsement- Mathematics
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)
- POL 1201 - American Government and Politics [E/CR] (4.0 cr)
  - or POL 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
  - POL 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)
- GEO 1101 - Physical Geology [SC-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)
  - or 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)
  - or PHYS 1102 - General Physics II [SCI-L] (5.0 cr)
Morris Campus
Sport Management B.A.
Division of Education

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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:

- 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 [SS] (2.0 cr)
- MGMT 3142 - Business Law II [SS] (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 [SS] (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 [SS] (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
Art History B.A.
Division of Humanities - Adm
Division of Humanities

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• 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--The purposes of the art history curriculum are to develop student understanding of some of the historical traditions in the visual arts, to teach students methods of analysis and interpretation of works of art, and to help students discover the rich and complex relationships of art to other aspects of culture. Students are encouraged to have direct contact with art by means of studio art courses, class field trips, gallery internships, and study abroad experiences.

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
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)
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 3101 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
• ARTH 3111 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
• ARTH 3112 - Art and the Byzantine Empire [FA] (4.0 cr)
• ARTH 3113 - 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 3281 - Women and Art [FA] (4.0 cr)
• ARTH 3291 - Facing the Past: Portraiture and Social History [FA] (4.0 cr)
• ARTH 3311 - Italian Renaissance and Baroque Art in Context (1.0 cr)
• ARTH 4xxx
• ARTH 4xxx
Communication, Media, and Rhetoric B.A.

Division of Humanities

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• 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 students:
* develop a historical and theoretical understanding of the three areas of communication, media, and rhetoric
* use a variety of assigned theoretical approaches appropriate to these three areas to describe and evaluate assigned or chosen discourse
* demonstrate advanced mastery of a variety of ways to construct and send messages

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 2431 - International Communication Competence [IP] (2.0 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 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

English B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- Required credits to graduate with this degree: 120
- Required credits within the major: 40
- Degree: Bachelor of Arts

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 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
French B.A.
Division of Humanities - Adm
Division of Humanities

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• Required credits to graduate with this degree: 120
• Required credits within the major: 40
• 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 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.

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 are strongly encouraged to study abroad, but should also plan to complete a significant amount of coursework in French at UMM. Up to 9 credits for one semester abroad or 16 credits for a year abroad may count towards the French major. Students may count FREN 3060 - July in Paris III: French Language and Culture in Paris toward the major as an on-campus course. Transfer students may apply up to 9 credits from another institution towards the French major. Students who wish to apply both transfer and study abroad credits must petition the French faculty for approval.

Students majoring in French are strongly encouraged to take at least one year of instruction in another world language.

One cross-listed French course taught in English (such as Fren 1031, 1302, 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- 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
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)

Early Modern Studies (EMS)
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 - Early Modern Studies: Pre-Enlightenment Culture in France [HIST] (4.0 cr)
- FREN 3406 - Early Modern Studies: Representations of Suicide and the Death Wish in the Middle Ages and Today [HUM] (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 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 3505 - Modern Studies: Media Representation(s), Immigration, and Identity in Migrant Literature [HIST] (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 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 3605 - Francophone Studies: Le Cinema du Maghreb [IP] (4.0 cr)
- FREN 3606 - Francophone Studies: Sub-Saharan Francophone Cinema [IP] (4.0 cr)

Compilation of the French Major Portfolio
The portfolio is a collection of work charting students' intellectual progress from FREN 3001 throughout the French major. Beginning in FREN 3001, students keep all syllabi, papers, and exams—including work completed abroad—in one 3-ring binder. Senior year, students write a brief paper summarizing their intellectual history in the French major and present their portfolio to the French faculty.
Senior Seminar
FREN 4901 must be taken on campus and the final seminar presentation must be given in French.
FREN 4901 - Senior Seminar (4.0 cr)

Elective Courses
An additional 8 credits of FREN 3xxx or above, exclusive of those used to fulfill required cluster courses. FREN 3112 may also be used to satisfy this elective requirement. Students may take up to 4 credits from FREN 1031, FREN 1302, FREN 1311, FREN 1312 towards these elective credits.

Electives can be chosen from the cluster courses or the following:
Take 8 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 1311 - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
• FREN 1312 - Morocco: History, Story, Myth [IP] (4.0 cr)
• FREN 3112 - Advanced Language Studies: Introduction to French Phonetics [HUM] (4.0 cr)
• 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 2013
- 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 Humanities.

The German studies curriculum includes the language, literature, and culture of German-speaking countries. The courses are designed to promote a global perspective by encouraging students to take a close look at another culture and in this way become aware of both the diversity and similarity among all people. The courses satisfy general education and major/minor requirements and prepare students for graduate study and future careers.

Objectives---In the core courses for the German studies major, students develop a number of skills in German--including comprehension and speaking, and reading and writing--which prepare them to communicate effectively in German about everyday situations, literature, and culture. On all levels, students gain an awareness of the structure of languages and facility with the German idiom, enabling them to read and write reports and papers. In literature courses, students learn aesthetic appreciation through the interpretation of texts and to organize their thoughts for effective argumentation. Elective courses in German studies give students an interdisciplinary perspective, complementing the core courses in German with courses in history, art history, architecture, economics, music, film, and other fields relevant to German culture. Study abroad is strongly recommended to increase fluency and proficiency in the German language. The German studies program prepares its graduates for careers in business, history, political science, medicine, music, art history, psychology, philosophy, theology, and law, among others. Several courses in the natural sciences, if supplemented with readings in German, may also be applied toward the German studies major.

Study Abroad
In light of today's increasingly interdependent world, the UMM German faculty strongly encourages study abroad in combination with a German Studies 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

Study in Austria and Germany--Students interested in a foreign study experience may spend a semester or a full year in Berlin (Humboldt University), Vienna (Center for Central European Studies), or Freiburg (University of Freiburg) through the Institute of European Studies. Language prerequisites vary for individual programs. Internships are available at all of them. Through the Learning Abroad Center, students may also participate in bilateral exchanges to Austria and Karl Franzens University in Graz and with the University of Salzburg.

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.

Selection of electives must be intentional and done in close consultation with a German studies adviser. Students must submit an elective plan (preferably by the end of sophomore year), to be reviewed and approved by the German studies coordinator and the chair of the Division of the Humanities.

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: German Culture and Civilization [IP] (4.0 cr)
GER 2011 - German Conversation and Composition [IP] (4.0 cr)
GER 3011 - Survey of German Literature and Culture I [HUM] (4.0 cr)
GER 3101 - Survey of German Literature and Culture II [HUM] (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 12 of the 16 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., ARTH 3132) require written approval of the course instructor and the program coordinator prior to registration.

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

1xxx-2xxx Electives
Take at most 4 credit(s) from the following:
• ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)
• ENGL 2431 - Holocaust Literature and Film [IP] (4.0 cr)
• HIST 2103 - Medieval Europe [HIST] (4.0 cr)

3xxx-4xxx German and Partial German Electives
Take 4 or more credit(s) from the following:
• ARTH 3101 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
• ARTH 3111 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
• ARTH 3132 - Castles and Cathedrals [FA] (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 8 credit(s) from the following:
• ECON 3009 - Political Economy [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)
• ENGL 4004 - Research Seminar: Old English Literature and Language [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)
• 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)
  • ARTH 3281 - Women and Art [FA] (4.0 cr)
  • ENGL 3021 - Grammar and Language [HUM] (4.0 cr)
  • ENGL 3411 - Critical Approaches to Literature [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)
Morris Campus

Music B.A.

Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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--Students become familiar with the traditions of Western and non-Western music through theoretical analysis, research, performance, and historical survey. The curriculum fosters the development of the critical ability necessary to understand those traditions. Students experience the unique relationship between research and performance in music. Theoretical and practical courses that provide a sound academic background in music are available for those who intend to pursue graduate study, teach, or fulfill general education requirements.

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.

The music major requires an assessment prior to a student's first day of classes in order to assist them with planning their future at UMM through suggested class placement. Details about the assessment are outlined on the music discipline website. 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 [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 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 3161 - Introduction to World Music [IP] (4.0 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 3351 - Instrumental Arranging [ART/P] (2.0 cr)
• MUS 3352 - Choral Arranging [ART/P] (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 [FA] (4.0 cr)
• MUS 4103 - Seminar: Topics in Music History [HIST] (4.0 cr)
• MUS 4xxx
Morris Campus
Philosophy B.A.
Division of Humanities - Adm
Division of Humanities

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• 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--The philosophy program offers students the opportunity to study the works of significant figures in philosophy; investigate the fundamental problems and systems of thought that frame philosophical inquiry; develop the ability to think and write critically and effectively; and cultivate the logical, analytical, and conversational skills necessary for stimulating and fruitful philosophical inquiry.

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)
PHIL 1801 - THINK: An Introduction to Philosophy [IC] (4.0 cr)
PHIL 2101 - Introduction to Symbolic Logic [M/SR] (4.0 cr)
PHIL 4901 - Senior Philosophical Defense (2.0 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)

Elective Courses
Take 8 or more credit(s) from the following:
• PHIL 2112 - Professional Ethics [E/CR] (4.0 cr)
• PHIL 2131 - 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 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
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, healthcare, 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 culture, language, and literature. The courses are designed to help students develop critical insight into the philosophy and values of another culture, fluency in a second language, and sensitivity toward literature that reflects the experience of the Spanish-speaking world. The curriculum accommodates liberal arts students interested in a cross-cultural perspective, language study, secondary school teaching, 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

Students Not Majoring or Minoring in Spanish
For an in-depth cultural emphasis, students should complete:
SPAN 1001-Beginning Spanish I
SPAN 1002-Beginning Spanish II or equivalent
SPAN 2001-Intermediate Spanish I
SPAN 2002-Intermediate Spanish II
Two additional courses chosen from LAAS and/or HUM courses offered by Spanish discipline faculty. A foreign study experience is also recommended.

For an in-depth language emphasis, students should complete:
SPAN 1001-Beginning Spanish I
SPAN 1002-Beginning Spanish II or equivalent
SPAN 2001-Intermediate Spanish I
SPAN 2002-Intermediate Spanish II
SPAN 3011-Composition, Conversation and Culture
SPAN 3012-Spanish Grammar in Practice
SPAN 3111-Readings in Spanish I
SPAN 3112-Readings in Spanish II
A foreign study experience, special projects in language, and regular use of the language lab are recommended to maintain language skills.

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.

Required prerequisites
Beginning Spanish
Beginning Spanish I and II or equivalent previous language experience required to take intermediate Spanish.

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.

A foreign study experience and regular use of the language laboratory are strongly recommended to maintain language skills.

Students majoring in Spanish are encouraged to take at least one year of instruction in another foreign language.

Latin American area studies courses are also recommended as a complement to courses in the Spanish discipline.

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)
SPAN 4001 - Research Symposium [HUM] (4.0 cr)

Elective Courses
Take 12 or more credit(s) from the following:
• SPAN 3621 - Seminar: Confessions and Letters in Latin American Fiction [HUM] (4.0 cr)
• SPAN 3622 - Seminar: Exile and Emigration in Latin American Fiction [IP] (4.0 cr)
• SPAN 3623 - Seminar: Ecology and Nature in Latin American Literature [ENVT] (4.0 cr)
• SPAN 3651 - Seminar: Miguel de Cervantes Saavedra's "El ingenioso hidalgo Don Quijote de la Mancha" [HUM] (4.0 cr)
• SPAN 3652 - Seminar: Literary Minorities in Early Modern Spain [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)
Morris Campus

Studio Art B.A.
Division of Humanities - Adm
Division of Humanities

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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—The goal of the studio art curriculum is to introduce students to the technical, conceptual, and communication skills necessary for activities in the visual arts and to help students understand the major traditions and the cultural significance of the visual arts. Studio courses serve the needs of students planning to pursue graduate studies in art, students interested in exploring their own creative potential as part of their general education, and students preparing for secondary school teaching.

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.

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

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Information current as of February 25, 2013
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 3101 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
• ARTH 3111 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
• ARTH 3112 - Art and the Byzantine Empire [FA] (4.0 cr)
• ARTH 3113 - 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 3311 - Italian Renaissance and Baroque Art in Context (1.0 cr)
• ARTH 1xxx
• ARTH 3xxx
Morris Campus
Theatre Arts B.A.
Division of Humanities - Adm
Division of Humanities

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2013
• 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 curriculum provides sound academic and practical training in theatre arts for undergraduate liberal arts students, for those wishing to pursue graduate studies in the field, and for those preparing to teach. It is designed to help students develop an appreciation for and ability to produce quality theatre.

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)
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 - 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 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

Biology B.A.
Division of Science & Mathematics - Adm

Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- Required credits to graduate with this degree: 120
- Required credits within the major: 60 to 61
- 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] (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)
- 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 4161 - Evolution (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 4181 - Developmental Biology (4.0 cr)
- BIOL 4191 - Freshwater Biology (4.0 cr)
- BIOL 4211 - Biochemistry (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)

**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)
Coursework in chemistry spans the four traditional areas of analytical, inorganic, organic, and physical chemistry. Students may also pursue a degree in chemistry with a biochemistry subfield, involving significant coursework in biology. All majors must study beginning physics and calculus. Students may also design an interdisciplinary area of concentration in chemistry-related fields. Beginning chemistry courses satisfy the physical sciences component of the general education requirements.

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.

Study in chemistry is the prerequisite for many preprofessional programs at UMM. Students who also do work in the Division of Education can obtain licensure in secondary education. More than sixty percent of UMM’s chemistry/biochemistry majors pursue postgraduate work toward a doctoral degree—most of them in chemistry/biochemistry, many in medicine, but also in other health-related fields, such as veterinary medicine, pharmacy and dentistry; in biological fields related to chemistry; and in a variety of other fields. The others enter the job market upon graduation, primarily in the chemical industry or in secondary education.

The UMM chemistry program is approved to offer American Chemical Society (ACS) Certified Degrees. "ACS promotes excellence in chemistry education for undergraduate students through approval of baccalaureate chemistry programs. ACS-approved programs offer a broad-based and rigorous chemistry education that gives students intellectual, experimental, and communication skills to become effective scientific professionals." (from ACS CPT guide)

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

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;
* advance student skills in writing and speaking about chemistry/biochemistry; and
* 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.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1101 - General Chemistry I [SCI-L]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 1102 - General Chemistry II [SCI-L]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 2301 - Organic Chemistry I [SCI]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 2311 - Organic Chemistry Lab I</td>
<td>1.0 cr</td>
</tr>
<tr>
<td>CHEM 3101 - Analytical Chemistry [SCI-L]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 3501 - Physical Chemistry I [SCI]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 3901 - Chemistry Seminar I</td>
<td>0.5 cr</td>
</tr>
<tr>
<td>CHEM 4901 - Chemistry Seminar II</td>
<td>0.5 cr</td>
</tr>
<tr>
<td>CHEM 2302 - Organic Chemistry II [SCI]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>or CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 2321 - Introduction to Research I</td>
<td>1.0 cr</td>
</tr>
<tr>
<td>with CHEM 2322 - Introduction to Research II</td>
<td>1.0 cr</td>
</tr>
<tr>
<td>MATH 1101 - Calculus I [M/SR]</td>
<td>5.0 cr</td>
</tr>
<tr>
<td>MATH 1102 - Calculus II [M/SR]</td>
<td>5.0 cr</td>
</tr>
<tr>
<td>PHYS 1101 - General Physics I [SCI-L]</td>
<td>5.0 cr</td>
</tr>
<tr>
<td>PHYS 1102 - General Physics II [SCI-L]</td>
<td>5.0 cr</td>
</tr>
</tbody>
</table>

### 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**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 1111 - Fundamentals of Genetics, Evolution, and Development [SCI]</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>BIOL 2111 - Cell Biology [SCI-L]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>BIOL 3121 - Molecular Biology [SCI-L]</td>
<td>5.0 cr</td>
</tr>
<tr>
<td>BIOL 4211 - Biochemistry</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 4351 - Bioorganic Chemistry</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>BIOL 4611 - Biochemistry Lab</td>
<td>1.0 cr</td>
</tr>
</tbody>
</table>

**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 4111 - Instrumental Analysis (5.0 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 4701 - Inorganic Chemistry (4.0 cr)
- CHEM 3801 - History of Chemistry [SCI] (4.0 cr)
- CHEM 4352 - Synthesis (4.0 cr)
- CHEM 4551 - Theoretical Chemistry (4.0 cr)
- CHEM 4552 - Molecular Spectroscopy (3.0 cr)
- CHEM 4751 - Advanced Inorganic Chemistry (4.0 cr)

**Chemistry, Standard**

**Standard Chemistry Required Courses**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 3502 - Physical Chemistry II [SCI]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CHEM 3511 - Physical Chemistry Lab</td>
<td>1.0 cr</td>
</tr>
</tbody>
</table>

**Standard Chemistry Elective Courses**

Take 2 or more course(s) from the following:
• CHEM 4111 - Instrumental Analysis (5.0 cr)
• CHEM 3301 - The Chemistry of Sustainable Energy [SCI] (4.0 cr)
• CHEM 3401 - Polymer Chemistry and the Environment [SCI] (4.0 cr)
• CHEM 4701 - Inorganic Chemistry (4.0 cr)
• CHEM 3801 - History of Chemistry [SCI] (4.0 cr)
• CHEM 4352 - Synthesis (4.0 cr)
• CHEM 4551 - Theoretical Chemistry (4.0 cr)
• CHEM 4552 - Molecular Spectroscopy (3.0 cr)
• CHEM 4751 - Advanced Inorganic Chemistry (4.0 cr)
• BIOL 4211 - Biochemistry (4.0 cr)
  BIOL 4611 - Biochemistry Lab (1.0 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 2013
- 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 pursing 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**

- CSCI 1302 - Foundations of Computer Science [M/SR] (4.0 cr)
- CSCI 2101 - Data Structures [M/SR] (5.0 cr)
- 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)
- CSCI 4901 - Senior Seminar (1.0 cr)
- IS 1091 - Ethical and Social Implications of Technology [E/CR] (2.0 cr)

Take one of the following:
- 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)

**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 4408 - Systems: Computer Forensics (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)

**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 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)

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

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

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 2013
• Required credits to graduate with this degree: 120
• Required credits within the major: 67 to 72
• 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] (4.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (4.0 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 4331 - Global Change Ecology (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 3004 - 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] (3.0 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 2013
• Required credits to graduate with this degree: 120
• Required credits within the major: 58
• 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] (4.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (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 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)
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:
• GEOL 2131 - Geomorphology [SCI] (4.0 cr)
• GEOL 2141 - Glacial and Quaternary Geology [SCI] (4.0 cr)
• GEOL 2161 - GIS and Remote Sensing [SCI] (4.0 cr)
• GEOL 3001 - Global Tectonics [SCI] (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)
• GEOL 3993 - Directed Study (1.0 - 5.0 cr)
  or GEOL 4993 - Directed Study (1.0 - 5.0 cr)
• 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

Mathematics B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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 mathematical techniques and methods; to sharpen students’ mathematical intuition and abstract reasoning, as well as their reasoning from numerical data; to encourage and stimulate the type of independent thinking required for research beyond the confines of the textbook; and to provide students with the basic knowledge and skills to make mathematical contributions to modern society. The program seeks to enable students to see and communicate how the development of mathematics has been part of the development of several civilizations and is intimately interwoven with the cultural and scientific development of these societies. 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

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 - Analysis [M/SR] (4.0 cr)
MATH 3231 - Abstract Algebra I [M/SR] (4.0 cr)
MATH 4901 - Senior Seminar (2.0 cr)
STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

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

• MATH 2401 - Differential Equations [M/SR] (4.0 cr)
• MATH 3401 - Operations Research [M/SR] (4.0 cr)
• MATH 3411 - Discrete and Combinatorial Mathematics [M/SR] (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)

Mathematical Applications Course

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

• CHEM 3501 - Physical Chemistry I [SCI] (4.0 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 [M/SR] (2.0 cr)
• MATH 3502 - Applied Probabilistic Modeling for Management Science [M/SR] (2.0 cr)
• NSCI 3201 - Relativity and Cosmology [SCI] (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 2401 - Optics [SCI-L] (4.0 cr)
• PHYS 4101 - Electromagnetism (4.0 cr)
• PHYS 4201 - Quantum Mechanics (4.0 cr)
• STAT 2601 - Statistical Methods [M/SR] (4.0 cr)
• CSCI 2101 - Data Structures [M/SR] (5.0 cr)
• 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)
• PHIL 2101 - Introduction to Symbolic Logic [M/SR] (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
Physics B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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
Statistics B.A.
Division of Science & Mathematics - Adm
Division of Science and Mathematics

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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/CR] (5.0 cr)
- MATH 1102 - Calculus II [M/CR] (5.0 cr)
- STAT 2501 - Probability and Stochastic Processes [M/CR] (4.0 cr)
- STAT 2611 - Mathematical Statistics [M/CR] (4.0 cr)
- STAT 3601 - Data Analysis [M/CR] (4.0 cr)
- STAT 4901 - Senior Seminar (1.0 cr)
- STAT 1601 - Introduction to Statistics [M/CR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/CR] (4.0 cr)

Elective Courses
Take 8 or more credit(s) from the following:
- STAT 1993 - Directed Study (1.0 - 5.0 cr)
- STAT 2993 - Directed Study (1.0 - 5.0 cr)
- STAT 3501 - Survey Sampling [M/CR] (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)

**Additional Elective Courses**
Choose from the list below or from courses with faculty approval.
Take 4 or more credit(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 - Analysis [M/SR] (4.0 cr)
• MATH 3401 - Operations Research [M/SR] (4.0 cr)
• MATH 3501 - Applied Deterministic Modeling for Management Science [M/SR] (2.0 cr)
• MATH 3502 - Applied Probabilistic Modeling for Management Science [M/SR] (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 [SS] (4.0 cr)
• SOC 3131 - World Population [ENVT] (4.0 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 2013
- Required credits to graduate with this degree: 120
- Required credits within the major: 36
- 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.

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. Coursework 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)

**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 - 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)
- 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.

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
SOC 2101 - Systems of Oppression [HDIV] (4.0 cr)
SOC 2xxx

Take 12 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 - Archæological Fieldschool [SS] (4.0 cr)
ANTH 4xxx
HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [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 [ENV] (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 [ENV] (4.0 cr)
SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
SOC 3204 - Culture, Food, and Agriculture [ENV] (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 2013
- 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)
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 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 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 3993 - Directed Study (1.0 - 5.0 cr)**
- **ECON 3xxx**
Gender, Women, and Sexuality Studies B.A.
Division of Social Sciences

Program Type: Baccalaureate
Requirements for this program are current for Fall 2013
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:
• AMIN 3452 - American Indian Women [HDIV] (4.0 cr)
• ANTH 2202 - Men and Masculinities [SS] (4.0 cr)
• ANTH 3602 - Women in Latin America [IP] (4.0 cr)
• ARTH 3281 - Women and Art [FA] (4.0 cr)
• ENGL 3332 - African American Women Writers [HDIV] (4.0 cr)
• ENGL 3414 - Feminist Theory [HDIV] (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 1815 - Women in the American West [IC] (4.0 cr)
• HIST 2704 - Gender, Women, and Sexuality in Medieval Europe [SS] (4.0 cr)
• HIST 2706 - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
• HIST 3707 - Gender in East Asia [HDIV] (4.0 cr)
• PHIL 2141 - Analytic Feminism [HUM] (4.0 cr)
• POL 3503 - Women in Politics Worldwide [IP] (4.0 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 [SS] (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)

Partial Gender, Women, and Sexuality Content
Take at most 8 credit(s) from the following:
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ENGL 3142 - The Rise of the Novel [HUM] (4.0 cr)
• ENGL 3154 - 19th-Century British Fiction [HUM] (4.0 cr)
• ENGL 3168 - Victorian Literature and Culture [HUM] (4.0 cr)
• ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
• ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
• ENGL 4031 - Research Seminar: Renaissance Romance [HUM] (4.0 cr)
• ENGL 4034 - Research Seminar: The Adventure Novel in American and British Literature [HUM] (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 3602 - Francophone Studies: Francophone Worlds [IP] (4.0 cr)
• FREN 3603 - Francophone Studies: Contes francophones [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)
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 2013
• 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**

These courses fulfill the history prior to 1750 course requirement: Hist 1501, Hist 1601, Hist 2103, Hist 2704, Hist 3008, Hist 3101, Hist 3207, Hist 3559, Hist 3614, Hist 3704, Hist 3707

**Geographical Areas**

Take 28 or more credit(s) including exactly 3 sub-requirement(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 3558 - Shanghai: China's Model of Modernity [IP] (4.0 cr)
- or HIST 3559 - History of Religion in China [HIST] (4.0 cr)
- or HIST 3707 - Gender in East Asia [HDIV] (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 3176 - Berlin as a Site of History [HIST] (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)

**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 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.-Latina/o 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 - Representations from the Field: American Indian Ethnography and Ethnohistory [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 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (4.0 cr)
- or HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [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 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 3457 - American Biography and Autobiography [HIST] (4.0 cr)
or HIST 3463 - America's National Landmarks [HIST] (4.0 cr)
Morris Campus

Liberal Arts for the Human Services B.A.
Division of Social Sciences - Adm

Division of Social Sciences

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2013
- 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 [SS] (2.0 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 2431 - International Communication Competence [IP] (2.0 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 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 3233 - Civil Liberties and American Politics [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 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 2013
- 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 [ECR] (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 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 3133 - Managerial Accounting (4.0 cr)
- MGMT 3134 - Cooperative Business Model [SS] (2.0 cr)
- MGMT 3141 - Business Law I [SS] (2.0 cr)
- MGMT 3142 - Business Law II [SS] (2.0 cr)
- MGMT 3151 - Human Resources Management I [ECR] (2.0 cr)
- MGMT 3152 - Human Resources Management II [HDIV] (2.0 cr)
- MGMT 3161 - Labor Management Relations I [ECR] (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 3501 - Applied Deterministic Modeling for Management Science [M/SR] (2.0 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 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 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.)

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)
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)
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 2013
• 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 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 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.

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 of the 1xxx courses PLUS POL 2001 AND POL 4905 and STAT 1601 (or STAT 2601).

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 1401 - World Politics [IP] (4.0 cr)
- POL 2001 - Political Science Research Methods [SS] (4.0 cr)
- POL 4905 - Senior Research Seminar in Political Science (2.0 cr)
STAT 1601 - Introduction to Statistics [M/SR] (4.0 cr)
or STAT 2601 - Statistical Methods [M/SR] (4.0 cr)

Electives
Of the 24 additional credits, at least one course must be a 4xxx course.

Directed studies and field studies 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. No more than 12 credits can be directed studies and field studies.

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

**American Politics**
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 3233 - Civil Liberties and American Politics [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 4251 - Political Participation and Voting Behavior [SS] (4.0 cr)
- POL 4266 - Media and Politics (4.0 cr)

**International and Comparative Politics**
Take 4 or more credit(s) from the following:
- POL 3401 - U.S. Foreign Policy [SS] (4.0 cr)
- POL 3411 - International Law [E/CR] (4.0 cr)
- POL 3453 - Russian Politics and Foreign Policy [IP] (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 3514 - Pyramids and Politics on the Nile [IP] (4.0 cr)
- POL 4451 - Comparative Foreign Policy (4.0 cr)
- POL 4452 - International Relations (4.0 cr)

**Political Theory**
Take 4 or more credit(s) from the following:
- 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 4301 - Contemporary Political Thought [HUM] (4.0 cr)
- POL 4302 - International Comparative Political Theory [IP] (4.0 cr)

**4xxx Elective**
Take 4 or more credit(s) from the following:
- POL 4xxx
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 2013
- 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 the problems of the behavioral sciences and individual and social human behavior. It provides students with basic methodological skills, practice in applying these skills, and an introduction to core areas of psychology. Courses meet the needs of liberal arts students, as well as students planning to specialize in one of the fields of psychology at the graduate level.

Objectives:
* awareness of the range of knowledge in psychology
* competency in translating behavioral questions into the terms of scientific inquiry
* competency in reading and critically synthesizing the technical literature in psychology
* competency in quantifying and statistically analyzing behavior
* awareness of ethical issues in 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/SR] (4.0 cr)
  or STAT 2601 - Statistical Methods [M/SR] (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 [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 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)

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Information current as of February 25, 2013
• PSY 3521 - Health Psychology [SS] (4.0 cr)

**Personality and Clinical Psychology**

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

• 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 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 [SS] (4.0 cr)
• PSY 3402 - Developmental Psychology II: Adolescence [SS] (2.0 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 [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)

**Advanced Seminar in Psychology**

Take exactly 1 course(s) from the following:

• 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)

**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 2993 - Directed Study (1.0 - 5.0 cr)
• PSY 3261 - Human Sexuality [SS] (4.0 cr)
• PSY 3315 - Parenting and Family Therapy [SS] (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 (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 2013
• 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 1301 - Introduction to U.S. History [HIST] (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 - 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 (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 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
- 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
- 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

Take 4 or more credit(s) from the following:
- AMIN 3452 - American Indian Women [HDIV] (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)
- 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)

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

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 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**

**History**

This sub-plan requires a total of 20 credits.

**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 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 3558 - Shanghai: China's Model of Modernity [IP] (4.0 cr)
or HIST 3559 - History of Religion in China [HIST] (4.0 cr)
or HIST 3707 - Gender in East Asia [HDIV] (4.0 cr)
• Europe
  • HIST 2103 - Medieval Europe [HIST] (4.0 cr)
or HIST 2151 - Modern Europe [HIST] (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 3176 - Berlin as a Site of History [HIST] (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)
• 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 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)
or HIST 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (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 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 3457 - American Biography and Autobiography [HIST] (4.0 cr)
or HIST 3463 - America's National Landmarks [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:
• AMIN 3452 - American Indian Women [HDIV] (4.0 cr)
• ANTH 2202 - Men and Masculinities [SS] (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 3332 - African American Women Writers [HDIV] (4.0 cr)
• ENGL 3414 - Feminist Theory [HDIV] (4.0 cr)

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• 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 1815 - Women in the American West [IC] (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 3707 - Gender in East Asia [HDIV] (4.0 cr)
• PHIL 2141 - Analytic Feminism [HUM] (4.0 cr)
• POL 3503 - Women in Politics Worldwide [IP] (4.0 cr)
• PSY 3221 - Behavioral Biology of Women [SCI] (4.0 cr)
• PSY 3261 - Human Sexuality [SS] (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 3252 - Women in Latin America [IP] (4.0 cr)
• SPAN 3654 - Seminar: Sex, Love, and Marriage in Golden Age Spanish Literature [HUM] (4.0 cr)

Partial Gender, Women, and Sexuality Content
Take at most 4 credit(s) from the following:
• ECON 4101 - Labor Economics I [HDIV] (2.0 cr)
• ENGL 3142 - The Rise of the Novel [HUM] (4.0 cr)
• ENGL 3154 - 19th-Century British Fiction [HUM] (4.0 cr)
• ENGL 3168 - Victorian Literature and Culture [HUM] (4.0 cr)
• ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
• ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
• ENGL 4031 - Research Seminar: Renaissance Romance [HUM] (4.0 cr)
• FREN 1304 - Research Seminar: The Adventure Novel in American and British Literature [HUM] (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 3602 - Francophone Studies: Francophone Worlds [IP] (4.0 cr)
• FREN 3603 - Francophone Studies: Contes francophones [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 3612 - 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)

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 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 3201 - Legislative Process [SS] (4.0 cr)
• POL 3211 - The American Presidency [SS] (4.0 cr)
• POL 3233 - Civil Liberties and American Politics [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 3453 - Russian Politics and Foreign Policy [IP] (4.0 cr)
• POL 3461 - Diplomatic Negotiation [IP] (4.0 cr)
• POL 3475 - International Human Rights [IP] (4.0 cr)
• POL 3901 - Government and Politics of Asia [SS] (4.0 cr)
• POL 3903 - Women in Politics Worldwide [IP] (4.0 cr)
• POL 3904 - Latin American Politics [IP] (4.0 cr)
• POL 3996 - Field Study in Political Science (1.0 - 16.0 cr)
• POL 3xxx
• 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 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 [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 3314 - Child and Adolescent 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 [SS] (2.0 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)

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 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 [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 (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 [SS] (4.0 cr)
- **SOC 3403** - Sociological Theory [SS] (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. SOC 4991 is strongly recommended.

Take at most 4 credit(s) from the following:
- **AMIN 3452** - American Indian Women [HDIV] (4.0 cr)
- **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 2xxx**
- **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 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 4411** - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
- **ANTH 4901** - Seminar in Anthropological Theory (4.0 cr)
- **ANTH 4xxx**
- **HIST 3402** - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 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 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 [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 3123 - Managerial Economics [SS] (4.0 cr)
- • MGMT 3133 - Managerial Accounting (4.0 cr)
- • MGMT 3134 - Cooperative Business Model [SS] (2.0 cr)
- • MGMT 3141 - Business Law I [SS] (2.0 cr)
- • MGMT 3142 - Business Law II [SS] (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 3501 - Applied Deterministic Modeling for Management Science [M/SR] (2.0 cr)
- • MGMT 3502 - Applied Probabilistic Modeling for Management Science [M/SR] (2.0 cr)
- • MGMT 3513 - Negotiation [SS] (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 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 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 3xxx
- • 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 2013
- 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 [SS] (4.0 cr)
SOC 3403 - Sociological Theory [SS] (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.
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 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 [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:
• AMIN 3452 - American Indian Women [HDIV] (4.0 cr)
• 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 2202 - Men and Masculinities [SS] (4.0 cr)
• ANTH 3xxx
• 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 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 4411 - Seminar in Anthropological Methodology [E/CR] (4.0 cr)
• ANTH 4901 - Seminar in Anthropological Theory (4.0 cr)
• ANTH 4xxx
• HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
Morris Campus
American Indian Studies Minor
Academic Services
Academic Affairs

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2013
• 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 2993 - Directed Study (1.0 - 5.0 cr)
• AMIN 3452 - American Indian Women [HDIV] (4.0 cr)
• AMIN 3993 - Directed Study (1.0 - 5.0 cr)
• ANTH 3455 - North American Archaeology [SS] (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 3381 - History of American Indian Nationalism and Red Power, 1920-Present [HIST] (4.0 cr)
• HIST 3614 - Race and Ethnicity in Latin America [HDIV] (4.0 cr)
• ANTH 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
• or HIST 3402 - Representations from the Field: American Indian Ethnography and Ethnohistory [HDIV] (4.0 cr)
• ENGL 3311 - American Indian Literature [HDIV] (4.0 cr)
• or ENGL 3312 - World Indigenous Literature and Film [IP] (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

Sport Management Minor
Division of Education

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2013
• 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 [SS] (2.0 cr)
• MGMT 3142 - Business Law II [SS] (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 [SS] (4.0 cr)
• MGMT 3701 - Organizational Behavior [SS] (4.0 cr)
Program Type: Undergraduate minor related to major
Requirements for this program are current for Fall 2013
Required credits in this minor: 24

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

Objectives--The purpose of the art history curriculum is to develop student understanding of some of the historical traditions in the visual arts, to teach students methods of analysis and interpretation of works of art, and to help students discover the rich and complex relationships of art to other aspects of culture. Students are encouraged to have direct contact with art by means of studio art courses, class field trips, gallery internships, and study abroad experiences.

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 3101 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
• ARTH 3111 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
• ARTH 3112 - Art and the Byzantine Empire [FA] (4.0 cr)
• ARTH 3113 - 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 3281 - Women and Art [FA] (4.0 cr)
• ARTH 3291 - Facing the Past: Portraiture and Social History [FA] (4.0 cr)
• ARTH 3311 - Italian Renaissance and Baroque Art in Context (1.0 cr)
• ARTH 3xxx
• ARTH 4xxx
Communication, Media, and Rhetoric Minor

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 2431 - International Communication Competence [IP] (2.0 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 3202 - Rhetoric of Presidential Inaugurals [HUM] (4.0 cr)
• CMR 3251 - Rhetorical Criticism and Free Speech Discourse [E/CR] (4.0 cr)
• CMR 3001 - 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)
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 minor.
ENGL 1601 - Writing for the Liberal Arts [WLA] (4.0 cr)
or equivalent

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 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 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 [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 3160 - 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 - African American 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 3411 - Critical Approaches to Literature [HUM] (4.0 cr)
• ENGL 3414 - Feminist Theory [HDIV] (4.0 cr)
• ENGL 3522 - Harlem Renaissance [HDIV] (4.0 cr)
• ENGL 3xxx
• 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)
• ENGL 4xxx
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 2013
• 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] (4.0 cr)
- FREN 4991 - Independent Study in French Abroad [IP] (4.0 cr)

• FREN 2xxx
• FREN 3xxx
• FREN 4xxx
German Studies Minor

Division of Humanities - Adm

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 Humanities.

The German studies curriculum includes the language, literature, and culture of German-speaking countries. The courses are designed to promote a global perspective by encouraging students to take a close look at another culture and in this way become aware of both the diversity and similarity among all people. The courses satisfy general education and minor requirements and prepare students for graduate study and future careers.

Objectives--In the core courses for the German studies minor, students develop a number of skills in German--including comprehension and speaking, and reading and writing--which prepare them to communicate effectively in German about everyday situations, literature, and culture. On all levels, students gain an awareness of the structure of languages and facility with the German idiom, enabling them to read and write reports and papers. In literature courses, students learn aesthetic appreciation through the interpretation of texts and to organize their thoughts for effective argumentation. Elective courses in German studies give students an interdisciplinary perspective, complementing the core courses in German with courses in history, art history, architecture, economics, music, film, and other fields relevant to German culture. Study abroad is strongly recommended to increase fluency and proficiency in the German language. The German studies program prepares its graduates for careers in business, history, political science, medicine, music, art history, psychology, philosophy, theology, and law, among others. Several courses in the natural sciences, if supplemented with readings in German, may also be applied toward the German studies minor.

Study Abroad

In light of today's increasingly interdependent world, the UMM German faculty strongly encourages study abroad in combination with a German Studies 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

Study in Austria and Germany--Students interested in a foreign study experience may spend a semester or a full year in Berlin (Humboldt University), Vienna (Center for Central European Studies), or Freiburg (University of Freiburg) through the Institute of European Studies. Language prerequisites vary for individual programs. Internships are available at all of them. Through the Learning Abroad Center, students may also participate in bilateral exchanges to Austria and Karl Franzens University in Graz and with the University of Salzburg.

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

<table>
<thead>
<tr>
<th>Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GER 2001</td>
<td>Intermediate German I [IP]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>GER 2002</td>
<td>Intermediate German II: German Culture and Civilization [IP]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>GER 2011</td>
<td>German Conversation and Composition [IP]</td>
<td>4.0 cr</td>
</tr>
</tbody>
</table>
GER 3011 - Readings in German [IP] (4.0 cr)
GER 3101 - Survey of German Literature and Culture I [HUM] (4.0 cr)
GER 3102 - Survey of German Literature and Culture II [HUM] (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., ARTH 3132) 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 at most 4 credit(s) from the following:

- ARTH 3101 - Art and Archaeology of Ancient Greece [FA] (4.0 cr)
- ARTH 3111 - Art and Archaeology of Ancient Rome [FA] (4.0 cr)
- ARTH 3132 - Castles and Cathedrals [FA] (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:

- ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)
- ECON 3009 - Political Economy [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)
- ENGL 4004 - Research Seminar: Old English Literature and Language [HUM] (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 Minor
Division of Humanities - Adm
Division of Humanities

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2013
- 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--Students become familiar with the traditions of Western and non-Western music through theoretical analysis, research, performance, and historical survey. The curriculum fosters the development of the critical ability necessary to understand those traditions. Students experience the unique relationship between research and performance in music. Theoretical and practical courses that provide a sound academic background in music are available for those who intend to pursue graduate study, teach, or fulfill general education requirements.

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, additional requirements are necessary, 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)

Any two of the following three courses
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)
Morris Campus
Philosophy Minor
Division of Humanities - Adm

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2013
- 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--The philosophy program offers students the opportunity to study the works of significant figures in philosophy; investigate the fundamental problems and systems of thought that frame philosophical inquiry; develop the ability to think and write critically and effectively; and cultivate the logical, analytical, and conversational skills necessary for stimulating and fruitful philosophical inquiry.

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 [ENVIT] (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 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 Minor
Division of Humanities - Adm
Division of Humanities

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2013
• 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 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 culture, language, and literature. Courses are designed to help students develop critical insight into the philosophy and values of another culture, fluency in a second language, and sensitivity toward literature that reflects the experience of the Spanish-speaking world. The curriculum accommodates liberal arts students interested in a cross-cultural perspective, language study, secondary school teaching, 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

Students not Majoring or Minoring in Spanish
For an in-depth cultural emphasis, students should complete:
SPAN 1001-Beginning Spanish I
SPAN 1002-Beginning Spanish II or equivalent
SPAN 2001-Intermediate Spanish I
SPAN 2002-Intermediate Spanish II
Two additional courses chosen from LAAS and/or HUM courses offered by Spanish discipline faculty. A foreign study experience is also recommended.

For an in-depth language emphasis, students should complete:
SPAN 1001-Beginning Spanish I
SPAN 1002-Beginning Spanish II or equivalent
SPAN 2001-Intermediate Spanish I
SPAN 2002-Intermediate Spanish II
SPAN 3011-Composition, Conversation and Culture
SPAN 3012-Spanish Grammar in Practice
SPAN 3111-Readings in Spanish I
SPAN 3112-Readings in Spanish II

A foreign study experience, special projects in language, and regular use of the language lab are recommended to maintain language skills.

ADVISING FOR THE SPANISH MINOR
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.

Required prerequisites
Beginning Spanish
Beginning Spanish I and II or equivalent previous language experience required to take Intermediate Spanish.

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

A foreign study experience and regular use of the language laboratory are strongly recommended to maintain language skills.

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. Latin American area studies courses are also recommended as a complement to courses in the Spanish discipline.

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 3621 - Seminar: Confessions and Letters in Latin American Fiction [HUM] (4.0 cr)
- SPAN 3622 - Seminar: Exile and Emigration in Latin American Fiction [IP] (4.0 cr)
- SPAN 3623 - Seminar: Ecology and Nature in Latin American Literature [ENVT] (4.0 cr)
- SPAN 3651 - Seminar: Miguel de Cervantes Saavedra's "El ingenioso hidalgo Don Quijote de la Mancha" [HUM] (4.0 cr)
- SPAN 3652 - Seminar: Literary Minorities in Early Modern Spain [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)
Morris Campus

Studio Art Minor

Division of Humanities - Adm

Division of Humanities

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2013
- 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--The goal of the studio art curriculum is to introduce students to the technical, conceptual, and communication skills necessary for activities in the visual arts and to help students understand the major traditions and the cultural significance of the visual arts. Studio courses serve the needs of students planning to pursue graduate studies in art, students interested in exploring their own creative potential as part of their general education, and students preparing for secondary school teaching.

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)
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)

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 Minor
Division of Humanities - Adm

• Program Type: Undergraduate minor related to major
• Requirements for this program are current for Fall 2013
• 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 curriculum provides sound academic and practical training in theatre arts for undergraduate liberal arts students, for those wishing to pursue graduate studies in the field, and for those preparing to teach. It is designed to help students develop an appreciation for and ability to produce quality theatre.

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 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).
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 2013
- 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 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 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 2013
• 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 4111 - Instrumental Analysis (5.0 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 4701 - Inorganic Chemistry (4.0 cr)
• CHEM 3801 - History of Chemistry [SCI] (4.0 cr)
• CHEM 4351 - Bioorganic Chemistry (4.0 cr)
• CHEM 4352 - Synthesis (4.0 cr)
• CHEM 4551 - Theoretical Chemistry (4.0 cr)
• CHEM 4552 - Molecular Spectroscopy (3.0 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)
  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 4701 - Inorganic Chemistry (4.0 cr)
• CHEM 3801 - History of Chemistry [SCI] (4.0 cr)
• CHEM 4351 - Bioorganic Chemistry (4.0 cr)
• CHEM 4352 - Synthesis (4.0 cr)
• CHEM 4551 - Theoretical Chemistry (4.0 cr)
• CHEM 4552 - Molecular Spectroscopy (3.0 cr)
• CHEM 4751 - Advanced Inorganic Chemistry (4.0 cr)
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 2013
• 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)
- 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
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 2013
- 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 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 2013
• 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 - Analysis [M/SR] (4.0 cr)
• MATH 3231 - Abstract Algebra I [M/SR] (4.0 cr)
• MATH 3401 - Operations Research [M/SR] (4.0 cr)
• MATH 3411 - Discrete and Combinatorial Mathematics [M/SR] (4.0 cr)
• MATH 3501 - Applied Deterministic Modeling for Management Science [M/SR] (2.0 cr)
• MATH 3502 - Applied Probabilistic Modeling for Management Science [M/SR] (2.0 cr)
• MATH 4201 - Complex Analysis (2.0 cr)
• MATH 4211 - Real Analysis (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)
**Morris Campus**

**Physics 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 2013
- 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 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 2013
- 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
- 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 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 4448 - 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 - Analysis [M/SR] (4.0 cr)
• MATH 3401 - Operations Research [M/SR] (4.0 cr)
• MATH 3501 - Applied Deterministic Modeling for Management Science [M/SR] (2.0 cr)
• MATH 3502 - Applied Probabilistic Modeling for Management Science [M/SR] (2.0 cr)
African American Studies Minor

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.

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)

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)
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• SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)