***Morris Campus***

# Secondary Education

*Division of Education*

**Division of Education**

- Program Type: Other
- Requirements for this program are current for Spring 2016
- Required credits to graduate with this degree: 41 to 43
- This program is 8 terms (4 years) long.

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

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

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

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

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

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

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

## Program Delivery

This program is available:

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

## Admission Requirements

Students must complete 90 credits before admission to the program.

A GPA above 2.0 is preferred for the following:

- 2.75 already admitted to the degree-granting college
- 2.75 transferring from another University of Minnesota college
- 2.75 transferring from outside the University

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

Transfer students must be admitted to UMM before admission to the secondary program can be offered. Transfer students should seek academic planning advice from the secondary education faculty before application to the program.

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Requirements
1. Completion of the Minnesota Teacher Licensure Examinations: Basic Skills.
2. A minimum GPA of 2.75 is required in licensure area(s) and in education prerequisite courses and 2.50 overall. No grade below C- will be accepted in these courses.
3. Completion or near-completion of licensure courses in the content/licensure area(s) and demonstration of satisfactory progress in each licensure area.
4. Approval of the faculty based on an interview, recommendations, prior experiences with young people, and progress toward a degree.
5. Admission to UMM.

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

**Required prerequisites**
**Courses Required for Admission**
ED 2121 - Introduction to Education [SS] (4.0 cr)
ED 2111 - Tutor-Aide Experience (1.0 cr)
**Child Development**
Take the following course (or Psy 1061). PSY 1051 is a prerequisite.
ED 2601 - Development, Learning, and Teaching [SS] (2.0 cr)
*or* PSY 3401 - Child Development (4.0 cr)
PSY 3402 - Adolescent and Emerging Adult Development (4.0 cr)
**PSY 2581 and CMR 1052 or 1042**
These are required for licensure and are recommended to be completed before beginning the program.

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

## Program Requirements
**Student Teaching Requirements**
**1. Successful completion of:**
SEED 4102 - Teaching and Learning Strategies (2.0 cr)
SEED 4103 - Field Experience in the Middle and Secondary School (4.0 cr)
SEED 4104 - Equity, Diversity, and Justice in Education [HDIV] (2.0 cr)
SEED 4105 - Reading and Literacy in the Content Areas (2.0 cr)
ED 4121 *{Inactive}*(2.0 cr)
**2. SEED 4115- Advanced Content Reading**
SEED 4115 - Disciplinary Language and Literacy [HUM] (2.0 cr)
**3. Successful completion of licensure area methods course(s).**
ARTE 4123 - Methods of Teaching Art K-12 (4.0 cr)
*or* ENGE 4121 - Methods of Teaching Communication Arts and Literature in the Middle and Secondary School (4.0 cr)
*or* LANE 4123 - Methods of Teaching Foreign Language K-12 (4.0 cr)
*or* MTHE 4121 - Methods of Teaching Mathematics in the Middle and Secondary School (4.0 cr)
*or* MUSE 4123 - Methods of Teaching Music K-12 (4.0 cr)
*or* SCIE 4121 - Methods of Teaching Science in the Middle and Secondary School (4.0 cr)
*or* SSCE 4121 - Methods of Teaching Social Science in the Middle and Secondary School (4.0 cr)
**4. Satisfactory completion of tutor-aide and practicum experiences.**
**5. CMR 1052-Introduction to Public Speaking or CMR 1042-Public Speaking and Analysis.**
CMR 1052 *{Inactive}*[E/CR] (2.0 cr)
*or* CMR 1042-Public Speaking and Analysis.
**6. GPA and grade requirements**
2.75 minimum GPA required in licensure area(s) and education prerequisite courses and 2.5 overall.
No grade below C- will be accepted.
**7. Passing scores on MTLE Basic Skills or faculty approved remediation plan**
**8. Approval of SeEd faculty based on recommendations from faculty in the student's discipline.**

**Middle and Secondary School Licensure Requirements**
Students planning to teach at the secondary level must meet licensure requirements of the MN Board of Teaching, which change as new rules are adopted. Students must complete licensure requirements & apply for licensure within seven years of admission to the program. After seven years, all prior education courses are void & must be retaken. Coursework in the licensure area must also meet current requirements; therefore, some content courses may need to be retaken.
**1. Professional education courses:**

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**ED 2121-Introduction to Education and ED 2111-Tutor-Aide Practicum**
**SEED 4102, 4103, 4104, 4105, 4115, and Ed 4121**
**Student Teaching**
SEED 4201 - Directed Student Teaching in the Middle and Secondary School [HDIV] (12.0 cr)
*or* SEED 4204 - Directed Global Student Teaching at the Middle and Secondary Level [IP] (1.0 - 16.0 cr)
ED 4901 - The Teacher and Professional Development (1.0 cr)

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

**3.ED 2601 Development, Learning & Teaching or PSY 1061**
PSY 2581 - Drugs and Human Behavior [SS] (2.0 cr)

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

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

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

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

## Program Sub-plans

Students are required to complete one of the following sub-plans.

### Chemistry 9-12

**Chemistry 9-12**
BIOL 1111 is a prerequisite course for BIOL 2111.
CHEM 1101 - General Chemistry I [SCI-L] (5.0 cr)
CHEM 1102 - General Chemistry II [SCI-L] (5.0 cr)
CHEM 2301 - Organic Chemistry I [SCI] (4.0 cr)
CHEM 2311 - Organic Chemistry Lab I (1.0 cr)
CHEM 2321 - Introduction to Research I (1.0 cr)
CHEM 2322 - Introduction to Research II (1.0 cr)
CHEM 3101 - Analytical Chemistry [SCI-L] (4.0 cr)
CHEM 3501 - Physical Chemistry: Thermodynamics [SCI] (4.0 cr)
BIOL 2111 - Cell Biology [SCI-L] (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)
PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
CHEM 2302 - Organic Chemistry II [SCI] (4.0 cr)
*or* CHEM 2304 - Organic Chemistry II with a Biological Emphasis [SCI] (4.0 cr)

### Communication Arts and Literature 5-12

**Communication Arts & Literature 5-12**
CMR 2062 - 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)
ENGL 1509W - Literary Studies [HUM] (4.0 cr)
ENGL 3021 - Grammar and Language [HUM] (4.0 cr)
ENGL 3005 - Understanding Writing: Theories and Practices [HUM] (4.0 cr)
*or* ENGL 3032 - Creative Nonfiction Writing [ART/P] (4.0 cr)
Study of Shakespeare (ENGL 3159-Shakespeare: Studies in the Bard or ENGL 2059-Introduction to Shakespeare strongly recommended, ENGL 2059 preferred)
ENGL 3301 - U.S. Multicultural Literature [HDIV] (4.0 cr)
*or* ED 2201 - Perspectives on Young Adult Literature: Schooling, Society, and Culture [HUM] (4.0 cr)
TH 2211 - Oral Interpretation [ART/P] (4.0 cr)
*or* TH 2111 - Creative Drama with Children [ART/P] (4.0 cr)
*or* TH 2221 - Readers' Theatre [ART/P] (4.0 cr)

### Earth and Space Science 9-12

**Earth and Space Science 9-12**
Candidates pursing this license must also earn the license in General Science 5-8 (see below).
GEOL 1001 - Environmental Geology: Geology in Daily Life [SCI] (4.0 cr)
GEOL 1101 - Physical Geology [SCI-L] (4.0 cr)
GEOL 2101 - Mineralogy and Crystallography [SCI-L] (4.0 cr)
GEOL 2111 - Igneous and Metamorphic Petrology [SCI-L] (4.0 cr)
GEOL 2121 - Sedimentology and Stratigraphy [SCI-L] (4.0 cr)
GEOL 2141 - Glacial and Quaternary Geology [SCI] (4.0 cr)
GEOL 2151 - Historical Geology: Earth History and Changing Scientific Perspectives [SCI-L] (4.0 cr)
GEOL 3101 - Structural Geology [SCI-L] (4.0 cr)

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GEOL 4901 - Geology Senior Seminar (1.0 cr)
GEOL 4902 - Geology Senior Seminar Presentations (1.0 cr)
PHYS 1052 - The Solar System [SCI-L] (5.0 cr)
PHYS 1053 - Introduction to Stars, Galaxies, and Cosmology [SCI] (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)
*or* MATH 1021 - Survey of Calculus [M/SR] (4.0 cr)

## French K-12

**French K-12**

One cross-listed French course taught in English (such as Fren 1027, 1031, 1302, 1311, or 1312) may be counted towards the French licensure, provided that students complete written work for the class in French.
FREN 2001 - Intermediate French I [IP] (4.0 cr)
FREN 2002W - Intermediate French II [IP] (4.0 cr)
FREN 3002 - MEMS: Civilization and Composition: Tools for Studying the Medieval and Early Modern Periods [HIST] (2.0 cr)
FREN 3003 - Modern Studies: Civilization and Composition: France Since the Enlightenment [HIST] (2.0 cr)
FREN 3004 - Francophone Studies: Civilization and Composition: Colonialism and Francophone Worlds [HIST] (2.0 cr)
FREN 3011W - Introduction to French and Francophone Literature [HUM] (4.0 cr)
FREN 3112 - Advanced Language Studies: Introduction to French Phonetics (2.0 - 4.0 cr)
FREN 3113 - Advanced Language Studies: Introduction to Translation (2.0 - 4.0 cr)
*or* FREN 3114 - Advanced Language Studies: Advanced French Grammar (2.0 - 4.0 cr)

**Medieval Early Modern Studies (MEMS)**

One course from Medieval and Early Modern Studies:
FREN 3402 - Medieval and Early Modern Studies: Pre-Enlightenment Culture in France (2.0 - 4.0 cr)
*or* FREN 3406 - Medieval and Early Modern Studies: Emotional Extremes in Medieval and Early Modern Literature (4.0 cr)
*or* FREN 3407 - Medieval and Early Modern Studies: The "East" and its Marvels (2.0 - 4.0 cr)
*or* FREN 3408 - Medieval and Early Modern Studies: Quests, Quails, and Custards--Food in Life and Literature (2.0 - 4.0 cr)
*or* FREN 3409 *{Inactive}*(2.0 - 4.0 cr)

**Modern Studies (MOS)**

One course from Modern Studies:
FREN 1031 - Modern Studies: The Modern Body in France [SS] (2.0 cr)
*or* FREN 1302 *{Inactive}*[IP] (4.0 cr)
*or* FREN 1303 *{Inactive}*[IP] (2.0 cr)
*or* FREN 3501 - Modern Studies: The Old Regime and New Ideas: The French Enlightenment (4.0 cr)
*or* FREN 3502 - Modern Studies: Revolution, Romanticism, Modernity (4.0 cr)
*or* FREN 3503 - Modern Studies: Avant-Garde, Existentialism, Experimentation (2.0 - 4.0 cr)
*or* FREN 3505 *{Inactive}*(4.0 cr)

**Francophone Studies (FRS)**

One course from Francophone Studies:
FREN 1311 - Sub-Saharan Francophone Cinema [IP] (4.0 cr)
*or* FREN 1312 *{Inactive}*[IP] (4.0 cr)
*or* FREN 3603 - Francophone Studies:  Witches, Wilderness, and Words in African Folktales (4.0 cr)
*or* FREN 3604 *{Inactive}*(4.0 cr)
*or* FREN 3605 - Francophone Studies: Maghrebian Cinema (4.0 cr)
*or* FREN 3606 - Francophone Studies: Sub-Saharan Francophone Cinema (4.0 cr)
*or* FREN 3607 - Francophone Studies: Sex and Gender in Francophone Literature and Film (4.0 cr)
Study abroad is strongly encouraged.

## General Science 5-8

**General Science 5-8**

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

**PHYS 1091 or 1101**

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

**PHYS 1092 or 1102**

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

## Instrumental Music K-12

**Instrumental Music K-12**

MUS 1061 - Introduction to World Music [IP] (4.0 cr)

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MUS 1101 *{Inactive}*[M/SR] (4.0 cr)
MUS 1102 *{Inactive}*[M/SR] (4.0 cr)
MUS 1300 - UMM Symphonic Winds [ART/P] (1.0 cr)
MUS 2101 - Core Studies II: Music Theory III [FA] (4.0 cr)
MUS 2102 - Core Studies II: Music Theory IV [FA] (4.0 cr)
MUS 2301 - Instrumental Techniques--Woodwind (1.0 cr)
MUS 2302 - Instrumental Techniques--Brass (1.0 cr)
MUS 2303 - Instrumental Techniques--Strings (1.0 cr)
MUS 2304 - Vocal Techniques (1.0 cr)
MUS 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 3200-3223-Advanced Individual Performance Studies in wind, string, percussion, or keyboard (consult with music faculty to determine performance studies requirements)
MUS 3311 - Conducting Techniques (2.0 cr)
MUS 3321 - Instrumental Conducting and Materials (2.0 cr)
MUS 3353 *{Inactive}*(2.0 cr)
MUS 4901 - Senior Project and Portfolio (1.0 cr)

**Concert Attendance**

Seven successful completions of MUS 1000-Concert Attendance

**Piano Proficiency**

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

**Instrument Repair Clinic**

Successful completion of the instrument repair clinic

## Life Science 9-12

**Life Science 9-12**

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

## Mathematics 5-12

**Mathematics 5-12**

MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
MATH 2101 - Calculus III [M/SR] (4.0 cr)
MATH 3111 - Linear Algebra (4.0 cr)
MATH 2202 - Mathematical Perspectives [M/SR] (4.0 cr)
MATH 2211 - History of Mathematics (4.0 cr)
MATH 3211 - Geometry [M/SR] (4.0 cr)
MATH 3231 - Abstract Algebra I (4.0 cr)
MATH 3411 - Discrete and Combinatorial Mathematics (4.0 cr)
STAT 2611 - Mathematical Statistics [M/SR] (4.0 cr)

## Physics 9-12

**Physics 9-12**

Also recommended (required for physics major): MATH 2101-Calc III, MATH 2401-Differential Equations
MATH 1101 - Calculus I [M/SR] (5.0 cr)
MATH 1102 - Calculus II [M/SR] (5.0 cr)
PHYS 1101 - General Physics I [SCI-L] (5.0 cr)
PHYS 1102 - General Physics II [SCI-L] (5.0 cr)
PHYS 2101 - Modern Physics [SCI-L] (4.0 cr)
PHYS 2201 - Circuits and Electronic Devices [SCI-L] (4.0 cr)
PHYS 3301 - Optics (4.0 cr)
PHYS 3101 - Classical Mechanics [SCI] (4.0 cr)
PHYS 3501 - Statistical Physics [SCI] (4.0 cr)

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PHYS 4101 - Electromagnetism (4.0 cr)
PHYS 4201 - Quantum Mechanics (4.0 cr)

**Research**

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

**Senior Thesis**

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

•**Directed Research**

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

## Social Studies 5-12

**Social Studies 5-12**

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

**Area of focus:**

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

**Anthropology**

ANTH 1201 *{Inactive}*[SCI-L] (5.0 cr)
ANTH 1103 *{Inactive}*[SS] (4.0 cr)
ANTH 4411 - Project Development [E/CR] (4.0 cr)
An additional 8 credits (exclusive of those used to complete required courses) in anthropology and sociology; 4 of which must be in courses above 1xxx. No more than 4 credits can be from SOC courses.
Take at most 4 credit(s) from the following:
•ANTH 1xxx
•SOC 1xxx
Take 4 or more credit(s) from the following:

**Anthropology Electives**

Take 4 or more credit(s) from the following:
•ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
•ANTH 3206 *{Inactive}*[ENVT] (4.0 cr)
•ANTH 3455 - North American Archaeology [SS] (4.0 cr)
•ANTH 3601 *{Inactive}*[IP] (4.0 cr)
•ANTH 3602 *{Inactive}*[IP] (4.0 cr)
•ANTH 3603 *{Inactive}*[SS] (4.0 cr)
•ANTH 3701 *{Inactive}*[SCI-L] (4.0 cr)
•ANTH 2xxx
•ANTH 3xxx
•ANTH 4xxx

•**Sociology Electives**

Take at most 4 credit(s) from the following:
•SOC 2101 *{Inactive}*[HDIV] (4.0 cr)
•SOC 3103 *{Inactive}*(4.0 cr)
•SOC 3111 *{Inactive}*[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 *{Inactive}*[HDIV] (4.0 cr)

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•SOC 3124 *{Inactive}*(4.0 cr)
•SOC 3131 *{Inactive}*[ENVT] (4.0 cr)
•SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
•SOC 3204 *{Inactive}*[ENVT] (4.0 cr)
•SOC 3251 *{Inactive}*[HDIV] (4.0 cr)
•SOC 3252 *{Inactive}*[IP] (4.0 cr)
•SOC 3403 - Sociological Theory (4.0 cr)
•SOC 3601 *{Inactive}*[IP] (4.0 cr)
•SOC 3602 *{Inactive}*[IP] (4.0 cr)
•SOC 2xxx
•SOC 3xxx
•SOC 4xxx

*-OR-*

**Economics**

ECON 3201 - Microeconomic Theory (4.0 cr)
ECON 3202 - Macroeconomic Theory (4.0 cr)
MATH 1101 - Calculus I [M/SR] (5.0 cr)
No more than 4 cr from each of the following can be applied to the sub-plan: ECON x993, ECON 4501
Take 6 or more credit(s) from the following:
•ECON 3005 - Experimental and Behavioral Economics I (2.0 cr)
•ECON 3006 - Experimental and Behavioral Economics II (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 (4.0 cr)
•ECON 3014 - Game Theory: The Theory of Strategic Behavior I (2.0 cr)
•ECON 3015 - Game Theory: The Theory of Strategic Behavior II (2.0 cr)
•ECON 3113 - Money, Banking, and Financial Markets (4.0 cr)
•ECON 3121 - Public Economics I (2.0 cr)
•ECON 3122 - Public Economics II (2.0 cr)
•ECON 3131 - Comparative Economic Systems [IP] (2.0 cr)
•ECON 3133 *{Inactive}*[IP] (2.0 cr)
•ECON 3134 - Cooperative Business Model (2.0 cr)
•ECON 3141 - Economic Growth and Development I [IP] (2.0 cr)
•ECON 3142 - Economic Growth and Development II [IP] (2.0 cr)
•ECON 3153 *{Inactive}*[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 *{Inactive}*[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 3012 - International Trade Theory [IP] (2.0 cr)
•ECON 3013 - International Finance [IP] (2.0 cr)
•ECON 4501 - Senior Research Seminar in Economics and Management (2.0 cr)
•ECON 4993 - Directed Study (1.0 - 5.0 cr)
•ECON 3xxx
•ECON 4xxx

*-OR-*

**History**

An additional 16 credits in history of which 12 credits are at 2xxx or above. There should be course work in at least two geographic areas, with at least one of these in a non-Western area.
Take at most 4 credit(s) from the following:
•HIST 1402 - Gender, Women, and Sexuality in American History [HDIV] (4.0 cr)
•HIST 1501 - Introduction to East Asian History: China, Japan, and Korea before 1800. [HIST] (4.0 cr)
•HIST 1601 - Latin American History: A Basic Introduction [IP] (4.0 cr)
•HIST 1xxx
Take 12 or more credit(s) from the following:
•HIST 2103 - Medieval Europe [HIST] (4.0 cr)
•HIST 2151 - Modern Europe [HIST] (4.0 cr)
•HIST 2251 - American Indians and the United States: A History [HDIV] (4.0 cr)
•HIST 2352 - The U.S. 1960s [HIST] (4.0 cr)

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•HIST 2452 - Minnesota History [HIST] (4.0 cr)
•HIST 2551 - Modern Japan [HIST] (4.0 cr)
•HIST 2552 - History of Modern China [HIST] (4.0 cr)
•HIST 2704 *{Inactive}*[SS] (4.0 cr)
•HIST 2708W - Gender, Women, and Sexuality in Modern Europe [IP] (4.0 cr)
•HIST 2xxx
•HIST 3008 *{Inactive}*[HDIV] (4.0 cr)
•HIST 3101 *{Inactive}*[HIST] (4.0 cr)
•HIST 3102 *{Inactive}*[HIST] (4.0 cr)
•HIST 3161 - The Enlightenment [HIST] (4.0 cr)
•HIST 3181 - The Study of History [HIST] (4.0 cr)
•HIST 3204 - Nazi Germany [HIST] (4.0 cr)
•HIST 3207 - The Crusades [IP] (2.0 - 4.0 cr)
•HIST 2152 - Modern Germany [HIST] (4.0 cr)
•HIST 3211 - Modern France [HIST] (4.0 cr)
•HIST 3303 - Creation of the American Republic [HIST] (4.0 cr)
•HIST 3351 - The U.S. Presidency Since 1900 [SS] (4.0 cr)
•HIST 3353 - World War II [HIST] (4.0 cr)
•HIST 3355 - United States in Transition, 1877-1920 [HIST] (4.0 cr)
•HIST 3356 - Civil Rights Era, 1954-1974 [E/CR] (4.0 cr)
•HIST 3358 - Civil War and Reconstruction [HIST] (4.0 cr)
•HIST 3359 - Native Strategies for Survival, 1880-1920 [HDIV] (4.0 cr)
•HIST 3361 - An Environmental and Geographic History of the United States [ENVT] (4.0 cr)
•HIST 3453 - The American Presidency, 1789-1900 [HIST] (4.0 cr)
•HIST 3455 - American Immigration [HDIV] (4.0 cr)
•HIST 3456 - History of Religion in America [HIST] (4.0 cr)
•HIST 3601 *{Inactive}*[IP] (4.0 cr)
•HIST 3993 - Directed Study (1.0 - 5.0 cr)
•HIST 3xxx
•HIST 4993 - Directed Study (1.0 - 5.0 cr)
•HIST 4xxx

*-OR-*

**Political Science**

An additional 16 credits (exclusive of those used to complete required courses); 8 of which must be in courses above 2xxx.
Take at most 8 credit(s) from the following:
•POL 1101 - Introduction to Political Theory [E/CR] (4.0 cr)
•POL 1202 *{Inactive}*[SS] (4.0 cr)
•POL 1401 - World Politics [IP] (4.0 cr)
•POL 1xxx
•POL 2221 - The American Judicial Process [SS] (2.0 cr)
•POL 2222 - The U.S. Supreme Court [SS] (2.0 cr)
•POL 2234 - Race, Class and Power: Social Movements in U.S. Politics [HDIV] (2.0 cr)
•POL 2235 - Race, Class and Power: Interest Groups in U.S. Politics [HDIV] (2.0 cr)
•POL 2261 - States: Laboratories of American Democracy [E/CR] (2.0 cr)
•POL 2262 - Power and Politics in American Cities and Communities [E/CR] (2.0 cr)
•POL 2301 *{Inactive}*[HUM] (2.0 cr)
•POL 2302 *{Inactive}*[SS] (2.0 cr)
•POL 2354 *{Inactive}*[E/CR] (4.0 cr)
•POL 2401 - U.S. Foreign Policy [IP] (4.0 cr)
•POL 2411 - Model United Nations [IP] (4.0 cr)
•POL 2461 - Diplomatic Negotiation [IP] (4.0 cr)
•POL 2501 - East Asian Society and Politics [SS] (4.0 cr)
•POL 2xxx
Take 8 or more credit(s) from the following:
•POL 3201 - Legislative Process [SS] (4.0 cr)
•POL 3211 - The American Presidency [SS] (4.0 cr)
•POL 3231 - Constitutional Law: Civil Liberties and Civil Rights [HDIV] (4.0 cr)
•POL 3232 - Constitutional Law: Governmental Powers and Constraints [SS] (4.0 cr)
•POL 3251 - American Democracy in Action: Campaigns, Elections, and Political Behavior [SS] (4.0 cr)
•POL 3263 - Political Psychology [SS] (4.0 cr)
•POL 3266 *{Inactive}*[SS] (4.0 cr)
•POL 3272 - Making Environmental Public Policy [ENVT] (4.0 cr)
•POL 3302 *{Inactive}*[SS] (2.0 cr)
•POL 3303 - Gender, Sexuality, and Political Theory [SS] (2.0 cr)
•POL 3351 - Ancient and Medieval Political Thought [HUM] (4.0 cr)

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•POL 3352 - Modern Political Thought [HUM] (4.0 cr)
•POL 3355 *{Inactive}*[ENVT] (4.0 cr)
•POL 3411 - International Law [IP] (4.0 cr)
•POL 3451 - Comparative Foreign Policy (4.0 cr)
•POL 3453 - Russian Politics and Foreign Policy [IP] (4.0 cr)
•POL 3475 - International Human Rights (4.0 cr)
•POL 3504 - Latin American Politics (4.0 cr)
•POL 3514 *{Inactive}*[IP] (4.0 cr)
•POL 3996 - Field Study in Political Science (1.0 - 16.0 cr)
•POL 3xxx
•POL 4xxx

*-OR-*

**Psychology**

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

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

**Learning and Cognition**

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

**Biological and Comparative Psychology**

Take 0 or more course(s) from the following:
•PSY 3201 - Comparative Psychology [SCI-L] (4.0 cr)
•PSY 3211 - Biological Psychology [SCI-L] (4.0 cr)
•PSY 3221 *{Inactive}*[SCI] (4.0 cr)
•PSY 3521 - Health Psychology (4.0 cr)

**Personality and Clinical Psychology**

Take 0 or more course(s) from the following:
•PSY 3302 - Personality (4.0 cr)
•PSY 3313 - Psychopathology (4.0 cr)
•PSY 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 - Lifespan Developmental Psychology [SS] (4.0 cr)
•PSY 3051 - The Psychology of Women and Gender [HDIV] (4.0 cr)
•PSY 3401 - Child Development (4.0 cr)
•PSY 3402 - Adolescent and Emerging Adult Development (4.0 cr)
•PSY 3403 - Adult Development and Aging [E/CR] (4.0 cr)
•PSY 3404 *{Inactive}*[HDIV] (4.0 cr)

**Social and Applied Psychology**

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

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 2993 - Directed Study (1.0 - 5.0 cr)
•PSY 3315 *{Inactive}*(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 I (2.0 cr)
•PSY 4896 - Field Experiences in Mental Health (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)

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*-OR-*

**Sociology**
SOC 3103 *{Inactive}*(4.0 cr)
SOC 3403 - Sociological Theory (4.0 cr)
No more than 4 credits of the 12 elective credits required for the sub-plan can be from ANTH courses. SOC 4991 is strongly recommended.
Take at most 4 credit(s) from the following:
- ANTH 1201 *{Inactive}*[SCI-L] (5.0 cr)
- ANTH 1103 *{Inactive}*[SS] (4.0 cr)
- ANTH 3204 - Culture, Food, and Agriculture [ENVT] (4.0 cr)
- ANTH 3206 *{Inactive}*[ENVT] (4.0 cr)
- ANTH 4411 - Project Development [E/CR] (4.0 cr)
- ANTH 3455 - North American Archaeology [SS] (4.0 cr)
- ANTH 3601 *{Inactive}*[IP] (4.0 cr)
- ANTH 3602 *{Inactive}*[IP] (4.0 cr)
- ANTH 3603 *{Inactive}*[SS] (4.0 cr)
- ANTH 3701 *{Inactive}*[SCI-L] (4.0 cr)
- ANTH 3001 - Theory in Cultural Anthropology (4.0 cr)
- ANTH 2xxx
- ANTH 3xxx
- ANTH 4xxx

Take 8 or more credit(s) from the following:
- SOC 2101 *{Inactive}*[HDIV] (4.0 cr)
- SOC 3111 *{Inactive}*[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 *{Inactive}*[HDIV] (4.0 cr)
- SOC 3124 *{Inactive}*(4.0 cr)
- SOC 3131 *{Inactive}*[ENVT] (4.0 cr)
- SOC 3141 - Sociology of Deviance [E/CR] (4.0 cr)
- SOC 3204 *{Inactive}*[ENVT] (4.0 cr)
- SOC 3251 *{Inactive}*[HDIV] (4.0 cr)
- SOC 3252 *{Inactive}*[IP] (4.0 cr)
- SOC 3601 *{Inactive}*[IP] (4.0 cr)
- SOC 3602 *{Inactive}*[IP] (4.0 cr)
- SOC 4991 - Sociology Seminar (4.0 cr)
- SOC 2xxx
- SOC 3xxx
- SOC 4xxx

## Spanish K-12

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

## Visual Arts K-12

**Visual Arts K-12**
ARTH 1101 - Interpreting the Visual World: An Introduction to Art History [FA] (4.0 cr)
ARTH 1111 - Ancient to Medieval Art [FA] (4.0 cr)
ARTH 1121 - Renaissance to Modern Art [FA] (4.0 cr)
ARTS 1101 - Studio Essentials: Observational Drawing [ART/P] (2.0 cr)
ARTS 1102 - Studio Essentials: Experimental Drawing [ART/P] (2.0 cr)
ARTS 1103 - Studio Essentials: Materials and Design [ART/P] (2.0 cr)
ARTS 1104 - Studio Essentials: Materials and Space [ART/P] (2.0 cr)
ARTS 1105 *{Inactive}*[ART/P] (1.0 cr)
ARTS 1106 *{Inactive}*[ART/P] (1.0 cr)

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ARTS 3500 - Photographic and Digital Processes [ART/P] (4.0 cr)
*or* ARTS 3510 *{Inactive}*[ART/P] (3.0 cr)
ARTS 3014 - Media Studies: Fabric as Form [ART/P] (2.0 - 4.0 cr)
*or* ARTS 3002 - Media Studies: Artist's Books [ART/P] (2.0 - 4.0 cr)
*or* ARTS 3006 - Media Studies: Feminist Art: A Studio Perspective [ART/P] (2.0 - 4.0 cr)
Minimum 12 cr in one of the following media plus 6 cr in another and 3 cr in the third media:
**First Media**
complete 12 credits
**Printmaking**
ARTS 3200 - Printmaking Studio I [ART/P] (4.0 cr)
ARTS 3210 - Printmaking Studio II [ART/P] (4.0 cr)
*or* **Painting**
ARTS 3300 - Painting Studio I [ART/P] (4.0 cr)
ARTS 3310 - Painting Studio II [ART/P] (4.0 cr)
*or* **Sculpture**
ARTS 3400 - Sculpture Studio I [ART/P] (4.0 cr)
ARTS 3410 - Sculpture Studio II [ART/P] (4.0 cr)
*or* **Ceramics**
ARTS 1008 - Visual Studies for Non-Majors: Ceramics [ART/P] (2.0 - 4.0 cr)
ARTS 3650 - Ceramics Studio [ART/P] (4.0 cr)
*or* **Drawing**
ARTS 3100 - Drawing Studio [ART/P] (2.0 - 4.0 cr)
ARTS 3110 *{Inactive}*[ART/P] (3.0 cr)
*or* **Photography/Digital Imaging**
ARTS 3500 - Photographic and Digital Processes [ART/P] (4.0 cr)
ARTS 3510 *{Inactive}*[ART/P] (3.0 cr)
**Second Media**
complete 6 credits (must be different from first media)
**Printmaking**
ARTS 3200 - Printmaking Studio I [ART/P] (4.0 cr)
ARTS 3210 - Printmaking Studio II [ART/P] (4.0 cr)
*or* **Painting**
ARTS 3300 - Painting Studio I [ART/P] (4.0 cr)
ARTS 3310 - Painting Studio II [ART/P] (4.0 cr)
*or* **Sculpture**
ARTS 3400 - Sculpture Studio I [ART/P] (4.0 cr)
ARTS 3410 - Sculpture Studio II [ART/P] (4.0 cr)
*or* **Ceramics**
ARTS 1008 - Visual Studies for Non-Majors: Ceramics [ART/P] (2.0 - 4.0 cr)
ARTS 3650 - Ceramics Studio [ART/P] (4.0 cr)
*or* **Drawing**
ARTS 3100 - Drawing Studio [ART/P] (2.0 - 4.0 cr)
ARTS 3110 *{Inactive}*[ART/P] (3.0 cr)
*or* **Photography/Digital Imaging**
ARTS 3500 - Photographic and Digital Processes [ART/P] (4.0 cr)
ARTS 3510 *{Inactive}*[ART/P] (3.0 cr)
**Third Media**
complete 3 credits (must be different from the first and second media)
ARTS 1008 - Visual Studies for Non-Majors: Ceramics [ART/P] (2.0 - 4.0 cr)
*or* ARTS 3100 - Drawing Studio [ART/P] (2.0 - 4.0 cr)
*or* ARTS 3200 - Printmaking Studio I [ART/P] (4.0 cr)
*or* ARTS 3300 - Painting Studio I [ART/P] (4.0 cr)
*or* ARTS 3400 - Sculpture Studio I [ART/P] (4.0 cr)
*or* ARTS 3500 - Photographic and Digital Processes [ART/P] (4.0 cr)

## Vocal Music K-12

**Vocal Music K-12**
MUS 1061 - Introduction to World Music [IP] (4.0 cr)
MUS 1101 *{Inactive}*[M/SR] (4.0 cr)
MUS 1102 *{Inactive}*[M/SR] (4.0 cr)
MUS 1200-1223-Individual Performance Studies (consult with music faculty to determine performance studies requirements)
MUS 1320 - Concert Choir [ART/P] (1.0 cr)
MUS 1401 - English, Italian, German, and French Diction for Singers [ART/P] (1.0 cr)
MUS 2101 - Core Studies II: Music Theory III [FA] (4.0 cr)
MUS 2102 - Core Studies II: Music Theory IV [FA] (4.0 cr)
MUS 2301 - Instrumental Techniques--Woodwind (1.0 cr)

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MUS 2302 - Instrumental Techniques--Brass (1.0 cr)
MUS 2303 - Instrumental Techniques--Strings (1.0 cr)
MUS 2304 - Vocal Techniques (1.0 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 3200-3223-Advanced Individual Performance Studies in voice or guitar (consult with music faculty to determine performance studies requirements)
MUS 3311 - Conducting Techniques (2.0 cr)
MUS 3331 - Choral Conducting and Materials (2.0 cr)
MUS 3353 *{Inactive}*(2.0 cr)
MUS 4901 - Senior Project and Portfolio (1.0 cr)

**Concert Attendance**

Seven successful completions of MUS 1000-Concert Attendance

**Piano Proficiency**

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

**Secondary Performance**

Secondary performance competence on another family (wind, string, percussion, or keyboard)

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