Duluth Campus

Athletic Training B.A.Sc.
D Applied Human Sciences
College of Education and Human Service Professions

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2012
• Required credits to graduate with this degree: 128
• Required credits within the major: 104
• Degree: Bachelor of Applied Science

Athletic training includes the evaluation, treatment, rehabilitation, and prevention of injuries occurring to the physically active. The B.A.Sc. athletic training program prepares undergraduate students academically and clinically for the athletic training profession. Students complete program and degree requirements while gaining clinical experience under the direction and supervision of a certified athletic trainer or other allied health professional at a UMD affiliated clinical site.

Students in the athletic training program are expected to abide by the NATA Code of Ethics.

A detailed athletic training education program policies and procedures manual, including learning goals and objectives and technical standards for the program is available on the ATEP website.

Transfer course equivalencies for required ESAT courses are determined by the program director. Transfer students should plan for a minimum of six semesters in the program, regardless of the number of credits completed at the transfer institution.

This is a competitive entry program. A maximum of 16 students are admitted to the program each year.

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

Admission Requirements
Students must complete 8 courses before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Application to the Athletic Training Education Program takes place spring semester; a 2nd round may occur if space is available. Interested students must meet with the program director prior to declaring athletic training as a major.

* A grade of B- or better in ESAT 2610 and C or better in all other program requirements.

* Completed program application form.

* Official transcripts of any college courses.

* Proof of current CPR certification from the Professional Rescuer series and first aid certification.

* Two letters of recommendation on academic and clinical qualities.

* Copies of physical examination and vaccination verifications.

* A signed copy of the program's technical standards.

* A career/interview paper including four different settings on how a practicing athletic trainer can apply their skills.

Once required materials are submitted, the candidate is eligible for a formal interview and will be notified of their admission status via email.
For information about University of Minnesota admission requirements, visit the Office of Admissions website.

**Required prerequisites**

**Introductory Course ( 1 cr)**

This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.

**UST 1000 - UMD Seminar** (1.0 - 2.0 cr)

**Freshman Year (18 cr)**

**BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)**

**ESAT 2610 - Introduction to Athletic Training** (4.0 cr)

**HLTH 2030 - Applied Human Anatomy** (4.0 cr)

**Chemistry**

**CHEM 1113 - Introduction to General, Organic, and Biological Chemistry I [LE CAT4, NAT SCI] (5.0 cr)**

or **CHEM 1153 - General Chemistry I [LE CAT5, NAT SCI] (4.0 cr)**

**CHEM 1154 - General Chemistry Lab I [LE CAT4, NAT SCI] (1.0 cr)**

**General Requirements**

The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

**Program Requirements**

Requirements for the B.A.Sc. in athletic training:

* Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Degree candidates must complete at least 20 of the last 30 degree credits immediately before graduation at UMD.

* Athletic training majors must complete both the didactic and clinical components to meet the minimum requirements to qualify for the Board of Certification (BOC) exam. Courses for these components of the program should be taken in the sequence outline below. The clinical education component is a six-semester experience that begins in the fall semester of the sophomore year. The rotations include area high schools, two area colleges or universities, and the UMD athletic training center. In addition to BOC certification, many states require either state licensure, registration, or certification to practice athletic training in the state of employment.

**Sophomore Year (33 cr)**

**ESAT 2620 - Prevention and Care of Athletic Injuries** (2.0 cr)

**ESAT 2697 - Clinical Experience in Athletic Training I** (2.0 cr)

**ESAT 2698 - Clinical Experience in Athletic Training II** (2.0 cr)

**ESAT 3600 - Clinical Kinesiology** (4.0 cr)

**ESAT 3610 - Mechanics of Musculoskeletal Injury** (3.0 cr)

**ESAT 3630 - Lower Extremity Injury Evaluation** (4.0 cr)

**ESAT 3640 - Therapeutic Modalities** (3.0 cr)

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Information current as of November 07, 2017
HLTH 2040 - Human Physiology (4.0 cr)
PHYS 1001 - Introduction to Physics I [LE CAT4, NAT SCI] (5.0 cr)
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)

Junior Year (25 cr)
ESAT 3400 - Exercise Physiology (4.0 cr)
ESAT 3430 - Principles of Strength and Conditioning Programs (4.0 cr)
ESAT 3632 - Upper Extremity Injury Evaluation (4.0 cr)
ESAT 3642 - Therapeutic Exercise (4.0 cr)
ESAT 3697 - Clinical Experiences in Athletic Training III (2.0 cr)
ESAT 3698 - Clinical Experiences in Athletic Training IV (2.0 cr)
ESAT 4001 - Pharmacology in Athletic Training (2.0 cr)
HLTH 1470 - Human Nutrition [LE CAT5, NAT SCI] (3.0 cr)

Senior Year (16 cr)
ESAT 4590 - Research in Athletic Training (3.0 cr)
ESAT 4600 - Senior Seminar Athletic Training (2.0 cr)
ESAT 4610 - Orthopedic Seminar (1.0 cr)
ESAT 4646 - Medical Aspects of Athletic Training (3.0 cr)
ESAT 4650 - Administrative Aspects of Athletic Training (3.0 cr)
ESAT 4697 - Clinical Experiences in Athletic Training V (2.0 cr)
ESAT 4698 - Clinical Experiences in Athletic Training VI (2.0 cr)

Electives (8 cr)
Take 8 or more credit(s) from the following:
• ESAT 3200 - Motor Learning and Development (5.0 cr)
• ESAT 3210 - Exercise Adherence (3.0 cr)
• ESAT 3300 - Human Biomechanics (4.0 cr)
• ESAT 3410 - Performance Nutrition and Weight Management (4.0 cr)
• ESAT 3420 - Exercise Testing and Prescription (4.0 cr)
• ESAT 3432 [Inactive] (3.0 cr)
• HLTH 1104 - Health Science Terminology (3.0 cr)
• HLTH 1650 - CPR/AED for the Professional Rescuer (1.0 cr)
• HLTH 1700 - First Responder (3.0 cr)

Course From Other Program (3 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
or WRIT 3150 - Advanced Writing: Science (3.0 cr)
Duluth Campus

Coaching Minor

D Applied Human Sciences

College of Education and Human Service Professions

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2012
- Required credits in this minor: 21

The coaching minor program prepares graduates to coach in a variety of sites, including schools, public agencies, and youth organizations. The curriculum prepares students to assess, plan, administer, and instruct student athletes.

The coaching minor meets or exceeds the National Association for Sport and Physical Education (NASPE) standards for coaching, with emphasis in coaching and administrative theory, psychology, medical and nutritional concerns, risk management, and skill development. Requirements and admission applications can be obtained from the Department of Health, Physical Education, and Recreation (HPER).

Postbaccalaureate students seeking a coaching minor should have their transcript evaluated by the HPER department.

Program Delivery

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

Minor Requirements

Coaching Minor Courses (17 cr)

- CC 3117 - Functional Anatomy and Sport Injury Management (3.0 cr)
- CC 3150 - Coaching Methods (3.0 cr)
- CC 3160 - Psychological Aspects of Coaching and Athletic Performance (3.0 cr)
- CC 3161 - Administrative Aspects of Coaching (3.0 cr)
- CC 3997 - Coaching Practicum (2.0 cr)
- ESAT 2400 - Applied Exercise Science (3.0 cr)

Electives (4 cr)

Take 4 or more credit(s) from the following:
- CC 3170 - Coaching and Officiating Football (2.0 cr)
- CC 3171 - Coaching and Officiating Basketball (2.0 cr)
- CC 3172 - Coaching and Officiating Volleyball (2.0 cr)
- CC 3173 - Coaching and Officiating Baseball (2.0 cr)
- CC 3174 - Coaching and Officiating Soccer (2.0 cr)
- CC 3175 - Coaching and Officiating Ice Hockey (2.0 cr)
- CC 3178 - Coaching and Officiating Track and Field (2.0 cr)
- CC 3179 - Coaching and Officiating Softball (2.0 cr)
Duluth Campus

Communication Sciences and Disorders B.A.Sc.

Communication Sciences & Disorders
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 120
- Required credits within the major: 68 to 72
- Degree: Bachelor of Applied Science

The B.A.Sc. in communication sciences and disorders prepares students for admission to professional graduate degree or licensure programs in speech-language pathology, audiology, or education of the hearing impaired. This pre-professional undergraduate program also prepares students to work as clinical aides to communication disorders specialists working in a variety of human service and health care settings.

The program includes the study of phonetics, the anatomy and physiology of the speech and hearing mechanisms, the normal development of speech and language, and the nature and treatment of disorders of speech, language, and hearing disorders.

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

Admission Requirements
Students must complete 12 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Upon completion of at least 12 credits at UMD and an overall GPA of 3.0, including transfer courses, a student is admitted to the program; freshman and transfer students are usually admitted to pre-major status before admission to this major. Pre-CSD majors or students with other declared majors who have an overall University of Minnesota cumulative GPA of 3.00, including transfer courses and have completed a minimum of 12 credits, may declare a CSD major. When a student is ready to declare a CSD major, his/her CSD academic adviser notifies the CEHSP Academic Services Office to institute the change in statue from pre-major to major; students must be admitted majors in order to enroll in any upper division core courses. Mandatory advising is in effect for all students with fewer then 60 credits and for students whose cumulative GPAs fall below 3.00 (including transfer work). For information about University of Minnesota admission requirements, visit the Office of Admissions website.

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

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

**Program Requirements**
Requirements for the B.A.Sc. in communication sciences and disorders include:

* Compliance with general regulations governing granting of degrees.
* Students seeking two degrees (e.g., a B.A. and B.A.Sc.) must fulfill the major requirements for both degrees.
* Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

**Introductory Course (1 cr)**
This course will be waived for transfer students or students who change colleges from a college where it is not required.
Register course for one credit.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>UST 1000</td>
<td>UMD Seminar</td>
<td>1.0 - 2.0 cr</td>
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</table>

**Lower Division Core (6 cr)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CSD 1100</td>
<td>Phonetics [LE CAT3]</td>
<td>2.0 cr</td>
</tr>
<tr>
<td>CSD 2230</td>
<td>Introduction to Human Communication Disorders [LE CAT8, LECD CAT08, SOC SCI, CDIVERSITY]</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 2400</td>
<td>Clinical Observation of Communication Disorders</td>
<td>1.0 cr</td>
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</table>

**Junior Band (23 cr)**
Must be admitted to the CSD major. Courses should be taken concurrently. CSD 4010 is taken twice, Junior Fall Band and also Senior Spring Band.

**Fall (14 cr)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSD 3103</td>
<td>Anatomy of Speech and Hearing Mechanisms</td>
<td>3.0 cr</td>
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<tr>
<td>CSD 3131</td>
<td>Language Development</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>CSD 3150</td>
<td>Fundamentals and Clinical Applications of Speech Science</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 3200</td>
<td>Articulation and Phonological Disorders</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 4010</td>
<td>[Inactive]</td>
<td>1.0 cr</td>
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</table>

**Spring (9 cr)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSD 3160</td>
<td>Fundamentals of Hearing Science</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 3232</td>
<td>Language Disorders</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 3241</td>
<td>Foundations of Treatment in Communication Disorders</td>
<td>3.0 cr</td>
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</tbody>
</table>

**Senior Band (15 cr)**
CSD 4197 take one time, may be taken either fall or spring. CSD 4010 is taken twice, Junior Fall Band and also Senior Spring Band. Courses should be taken concurrently.

**Fall (8 cr)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSD 4197</td>
<td>Clinical Practicum in Communication Disorders</td>
<td>1.0 cr</td>
</tr>
<tr>
<td>CSD 4400</td>
<td>Hearing Disorders and Evaluation</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 4500</td>
<td>Voice Disorders</td>
<td>3.0 cr</td>
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**Spring (7 cr)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CSD 4010</td>
<td>[Inactive]</td>
<td>1.0 cr</td>
</tr>
<tr>
<td>CSD 4200</td>
<td>Introduction to Fluency Disorders</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>CSD 5400</td>
<td>Rehabilitative Procedures for the Hard of Hearing</td>
<td>3.0 cr</td>
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</table>

**Additional Requirements (24-28 cr)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSY 1003</td>
<td>General Psychology [LE CAT6, SOC SCI]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>PSY 2021</td>
<td>Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY]</td>
<td>4.0 cr</td>
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</table>

**Advanced Writing**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>WRIT 3140</td>
<td>Advanced Writing: Human Services</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>or WRIT 3150</td>
<td>Advanced Writing: Science</td>
<td>3.0 cr</td>
</tr>
<tr>
<td>or WRIT 3160</td>
<td>Advanced Writing: Social Sciences</td>
<td>3.0 cr</td>
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</tbody>
</table>

**Biology**

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<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 1001</td>
<td>Biology and Society [LE CAT4, NAT SCI, SUSTAIN]</td>
<td>4.0 cr</td>
</tr>
<tr>
<td>or BIOL 1011</td>
<td>General Biology I [LE CAT4, NAT SCI]</td>
<td>5.0 cr</td>
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</tbody>
</table>

**Communication**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMM 1112</td>
<td>Public Speaking [LE CAT3, COMM &amp; LAN]</td>
<td>3.0 cr</td>
</tr>
</tbody>
</table>
or COMM 1222 - Interpersonal Communication [LE CAT3, LEC03, COMM & LAN] (3.0 cr)

Physics
PHYS 1001 - Introduction to Physics I [LE CAT4, NAT SCI] (5.0 cr)
or PHYS 1011 - Conceptual Physics [LE CAT5, NAT SCI] (3.0 cr)

Statistics
PSY 2020 - Introduction to Statistics and Research Methods (3.0 cr)
or PSY 3020 - Statistical Methods (4.0 cr)

Certification and Licensure
In order to work in the state of Minnesota, speech-language pathologists must hold a Master's degree, a certificate of clinical competence from the American speech-Language-Hearing association (ASHA) and license from either the MN Dept of Health or MN Dept of Educ. Audiologist must hold a doctoral degree, a certificate of clinical competency from ASHA or board certification from the American Board of Audiology, and a license from the MN Dept of Health.

Accreditation
The graduate program is accredited by the Council of Academic Accreditation (CAA) of the American Speech-Language-Hearing Association (ASHA). CAA accreditation is recognized by the U.S Department of Education and the Council for Higher Education.
Deaf Studies Minor

Education

College of Education and Human Service Professions

- Program Type: Undergraduate free-standing minor
- Requirements for this program are current for Fall 2012
- Required credits in this minor: 22

Deaf studies minor offers American Sign Language (ASL) competency and cultural knowledge for individuals who need or wish to communicate with employees, co-workers, family members, and friends. ASL is present in every realm of modern life, as deaf, hard of hearing, and deaf-blind people seek education and equitable employment. The minor also meets the needs of students interested in pursuing further study in sign language interpreting or deaf education.

While the deaf studies minor complements degrees in virtually any field of study, it is particularly advantageous to pair with majors in education, human services, liberal arts, theatre, and business.

Program Delivery

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

Minor Requirements

Required Courses (22 cr)

- ASL 2001 - Beginning American Sign Language I [LE CAT3, LECD CAT03, COMM & LAN] (3.0 cr)
- ASL 2002 - Beginning American Sign Language II [LE CAT3, LECD CAT03, COMM & LAN] (3.0 cr)
- ASL 3003 - Intermediate American Sign Language I [COMM & LAN] (3.0 cr)
- ASL 3004 - Intermediate American Sign Language II [COMM & LAN] (3.0 cr)
- ASL 4005 - Advanced American Sign Language [COMM & LAN] (3.0 cr)
- ASL 4110 - Deaf Culture (3.0 cr)
- ASL 4298 - American Sign Language Skill Building Workshop (1.0 cr)
Exercise Science B.A.Sc.

College of Education and Human Service Professions

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2012
• Required credits to graduate with this degree: 122 to 124
• Required credits within the major: 98 to 101
• Degree: Bachelor of Applied Science

Exercise science majors engage in the study of all aspects of human movement, including motor skill development and acquisition, biomechanics, movement efficiency, physiological responses and adaptations of organ systems, anatomical development, and psychosocial influences. The primary program objective is to assist students in preparing themselves for success in graduate and professional studies, as well as to be competent practitioners in clinical, health-related, and sports-related professions.

The bachelor of applied science degree in exercise science has foundations in mammalian biology, chemistry, physics, psychology, and mathematics. After two years of science and liberal education, degree candidates engage in the advanced study of their selected concentration, focusing on professional and graduate studies or applications of exercise science (health care professions or human performance professions). Depending on the concentration selected, either an internship or research project is the capstone requirement.

The exercise science curriculum uses laboratory experiences for active learning. Most upper level ESAT courses have a graded laboratory component. Students work under supervision in the Exercise Physiology Laboratory, Biomechanics Laboratory, and Motor Learning and Vision Laboratory. Students combine theoretical knowledge with practical experience in electrocardiography, exercise testing, exercise supervision, applied nutrition, and strength and conditioning procedures in a managed learning environment. They monitor and mentor students involved in exercise programs. Labs and other physical facilities allow learning via student research and activity. Substantial opportunities exist for interested students to conduct independent research under the guidance of faculty mentors. Such projects have potential to be presented at the local, state, and national professional meetings. This provides students with unparalleled opportunity for professional development and personal growth.

Program Delivery

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

Admission Requirements

Students must complete 8 courses before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Freshman students are admitted to this program as pre-majors. Pre-majors advance to exercise science major (candidate) after completing requirements listed under “Admission to the major.” Students requesting to transfer to this program must have signed approval of the exercise science faculty coordinator. Pre-majors and candidates will not be permitted to register for, and can be removed from, ESAT courses for which they have not completed all listed course prerequisites.

Admission to the major (degree candidacy) is contingent upon the following:
* Completion of the 8 courses listed below under Pre-Exercise Science From Other Programs.
* Being within one semester of completing all University liberal education requirements.
* Possessing a minimum University of Minnesota and overall (including transfer credits) 2.50 GPA.

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

Required prerequisites

Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.
Register course for one credit.

UST 1000 - UMD Seminar (1.0 - 2.0 cr)

Pre-Exercise Science From Other Programs (33 cr)
CHEM 1153 and 1154 for exercise and sport science concentration.

CHEM 1113 or CHEM 1153 and 1154 for health and fitness concentration.
BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
HLTH 1470 - Human Nutrition [LE CAT5, NAT SCI] (3.0 cr)
HLTH 2030 - Applied Human Anatomy (4.0 cr)
HLTH 2040 - Human Physiology (4.0 cr)
PHYS 1001 - Introduction to Physics I [LE CAT4, NAT SCI] (5.0 cr)
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)
CHEM 1113 - Introduction to General, Organic, and Biological Chemistry I [LE CAT4, NAT SCI] (5.0 cr)
or CHEM 1153 - General Chemistry I [LE CAT5, NAT SCI] (4.0 cr)
CHEM 1154 - General Chemistry Lab I [LE CAT4, NAT SCI] (1.0 cr)
WRIT 3150 - Advanced Writing: Science (3.0 cr)
or WRIT 3160 - Advanced Writing: Social Sciences (3.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in exercise science include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* The academic progress of all pre-majors and majors is closely monitored. A 2.50 overall GPA is required to advance from pre-major to major (candidate) status. Only students admitted to the major (candidate) may register for ESAT courses that list "exercise science cand" as a prerequisite. A major (candidate) who does not possess an overall 2.50 GPA will return immediately to pre-major status. Such student will not be permitted to enroll in or remain enrolled in any ESAT course that lists "exercise science cand" as a prerequisite.

* Degree candidates must complete at least 20 of the last degree credits immediately before graduation at UMD.

**ESAT Core Courses (26 cr)**
Required for all concentrations
ESAT 3200 - Motor Learning and Development (5.0 cr)
ESAT 3300 - Human Biomechanics (4.0 cr)
ESAT 3400 - Exercise Physiology (4.0 cr)
ESAT 3410 - Performance Nutrition and Weight Management (4.0 cr)
ESAT 3420 - Exercise Testing and Prescription (4.0 cr)
ESAT 3440 - Clinical Exercise Physiology (5.0 cr)

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

Special Interest
The bachelor of applied science (B.A.S.) in exercise science, with a concentration in a special area of interest, prepares students for admission to graduate programs in exercise science, the traditional health professions, and clinically allied professions. Special areas of interest fall outside the approved concentrations in health and fitness, and exercise sport science. They are subject to approval by the department.

The required curriculum includes a liberal education background, a core of basic and applied sciences, ESAT core courses, and either a senior project or an internship in a sport, exercise, educational, or public service/workplace setting.

This special area of study is primarily for students who intend to pursue advanced degrees in an exercise science specialization or to seek admission to a professional program in the health sciences that falls outside of the preparation given in the other concentrations.

Special Area Courses (30 credits)
Working in consultation with their academic adviser, the student develops a plan for this concentration prior to being admitted to candidacy. The plan must include a minimum of 25 credits. Courses come from appropriate academic disciplines and must be 3xxx or 4xxx level. The plan must include a statement of how each selected course fits into the "Special Area". After adviser and departmental approval, the plan's courses will comprise the student's concentration.

Special Area Courses
Math Requirement
- MATH 1160 - Finite Mathematics and Introduction to Calculus [LE CAT2, LOGIC & QR] (5.0 cr)
or MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)

Exercise and Sport Science
The bachelor of applied science (B.A.S.) in exercise science with a concentration in exercise and sport science prepares students for admission to graduate programs in exercise science (biomechanics, exercise physiology, sports psychology), the health professions (including medicine, physician assistant, occupational and physical therapy), and clinically applied professions such as clinical exercise physiologist and cardiac rehabilitation.

The required curriculum includes a liberal education background, a core of basic and applied sciences, and courses in the exercise science subdisciplines, and either a senior project or an internship in a sport, exercise, educational, or public service/workplace setting. This area of study is primarily for students who intend to pursue advanced degrees in an exercise science specialization or to seek admission to a professional program in the health sciences.

Exercise and Sport Science Core Courses (8 cr)
- ESAT 4700 - Statistics and Research Methods in Exercise Science (4.0 cr)
- ESAT 4710 - Applied and Experimental Exercise Science (4.0 cr)

Courses From Other Programs (33 cr)
- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
- MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)
- PHYS 1002 - Introduction to Physics II (5.0 cr)
- CHEM 1155 - General Chemistry II (4.0 cr)
- CHEM 1156 - General Chemistry Lab II (1.0 cr)

Electives
Take 13 or more credit(s) from the following:
- BIOL 3100 - Cell Biology (3.0 cr)
- BIOL 2201 - Genetics (3.0 cr)
- BIOL 3703 - Animal Physiology (3.0 cr)
- BIOL 3502 - General Microbiology (4.0 cr)
- CHEM 2222 - Quantitative Analysis (3.0 cr)
- CHEM 2223 - Quantitative Analysis Laboratory (1.0 cr)
- CHEM 2541 - Organic Chemistry I (3.0 cr)
- CHEM 2542 - Organic Chemistry II (3.0 cr)
- CHEM 2543 - Organic Chemistry I Laboratory (1.0 cr)
- CHEM 2544 - Organic Chemistry II Laboratory (1.0 cr)
- CHEM 3322 - Biochemistry (3.0 cr)
- CHEM 3324 - Biochemistry Laboratory (1.0 cr)
- ESAT 2420 (Inactive) (3.0 cr)
- ESAT 3210 - Exercise Adherence (3.0 cr)
The bachelor of applied science (B.A.S.) in exercise science, with a concentration in health fitness, prepares students for professional involvement with clients in clinical, commercial, corporate, and service agency fitness and health programs. The curriculum prepares students to demonstrate the knowledge, skills, and abilities outlined by the American College of Sports Medicine (ACSM) for professionals in clinical and health-related programs. Completion of the degree program does not ensure ACSM certification.

**Health and Fitness Core Courses (19 cr)**
- ESAT 2420 *(Inactive)* (3.0 cr)
- ESAT 3210 - Exercise Adherence (3.0 cr)
- ESAT 3430 - Principles of Strength and Conditioning Programs (4.0 cr)
- ESAT 3452 *(Inactive)* (3.0 cr)
- ESAT 3450 *(Inactive)* (3.0 cr)
- ESAT 4996 - Internship (3.0 - 12.0 cr)

**Courses From Other Programs (19-20 cr)**
- HLTH 1100 - Health and Wellness Strategies for Life [LE CAT8, SUSTAIN] (3.0 cr)
- HLTH 1700 - First Responder (3.0 cr)
- HLTH 3307 - Conducting and Managing Worksite Health Promotion Programs (3.0 cr)
- HPER 3100 - Risk Management (2.0 cr)
- PSY 3020 - Statistical Methods (4.0 cr)
- MATH 1160 - Finite Mathematics and Introduction to Calculus [LE CAT2, LOGIC & QR] (5.0 cr)
  or MATH 1250 - Precalculus Analysis [LE CAT2, LOGIC & QR] (4.0 cr)
  or MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)
Duluth Campus
Health Education B.A.Sc.
D Applied Human Sciences
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 120
- Required credits within the major: 96 to 108
- Degree: Bachelor of Applied Science

The bachelor of applied science (B.A.Sc.) in health education prepares graduates to practice in sites such as schools, voluntary health agencies, public health departments, hospitals, corporate work sites, and businesses. Upper division students select an area of concentration in either community health education or school health education. All health educators, regardless of work site, must possess a number of general competencies. The curriculum prepares students to assess, plan, implement, deliver, administer, and evaluate health education programs that promote health and prevent disease.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students are admitted to UMD as pre-health education majors. After completing lower division course requirements with an overall GPA of 2.50 or higher, students should apply for admission to degree candidacy and access to required upper division courses. Students in the school health option must apply to the Secondary Teacher Education Program (STEP). Health education advisers assist students in this application process.

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

Required prerequisites

Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.
UST 1000 - UMD Seminar (1.0 - 2.0 cr)

Lower Division (20 cr)
HLTH 1104 completion of 3 credits required.
HLTH 1100 - Health and Wellness Strategies for Life [LE CAT8, SUSTAIN] (3.0 cr)
HLTH 1104 - Health Science Terminology (3.0 cr)
HLTH 1470 - Human Nutrition [LE CAT5, NAT SCI] (3.0 cr)
HLTH 1700 - First Responder (3.0 cr)
HLTH 2030 - Applied Human Anatomy (4.0 cr)
HLTH 2040 - Human Physiology (4.0 cr)

Required Courses From Other Programs (22 - 23 cr)
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)
PSY 2021 - Developmental Psychology [LE CAT6, LEC CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
SOC 1101 - Introduction to Sociology [LE CAT6, LEC CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
Biology
BIOL 1001 - Biology and Society [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
or BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)

Communication
COMM 1000 - Human Communication Theory [LE CAT3, SOC SCI] (3.0 cr)
or COMM 1112 - Public Speaking [LE CAT3, COMM & LAN] (3.0 cr)
or COMM 1222 - Interpersonal Communication [LE CAT3, LECID CAT03, COMM & LAN] (3.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in health education include:

* Community health or school health emphasis.
* Completion of all courses specified for the major, including the emphasis, with a minimum 2.00 GPA (including transfer work).
* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.
* Degree candidates must complete at least 30 of the last 60 degree credits immediately before graduation at UMD.
* Students majoring in health education are expected to maintain a 2.00 GPA overall and in the major. Health education students must demonstrate acceptable professional performance in their courses and field experiences.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g. laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences.

Upper Division (20 cr)
HLTH 3101 - Community Health (3.0 cr)
HLTH 3115 - Consumer Health Education (3.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
HLTH 3301 - Foundations of Health Education and Promotion (3.0 cr)
HPER 3000 - Organization and Administration of Health, Physical Education, and Recreation (3.0 cr)
HPER 3200 - Research and Evaluation in Health Science (3.0 cr)
HLTH 3117 - Principles of Sex Education (3.0 cr)
or PSY 3215 - Topics in Human Sexuality (3.0 cr)

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

**Community Health**
This emphasis addresses seven entry-level competencies identified by various national health education organizations: assess individual and community need for health education; plan effective health education programs; implement health education programs; evaluate health education programs; administer health education programs; serve as a health education resource person; and communicate and advocate for health and health education. Students completing this concentration are prepared to take the Certified Health Education Specialist (CHES) exam (entry level).

Exit Standards: The internship experience introduces undergraduate students to the people and situations they may encounter as a beginning health education professional. Students test classroom theories and techniques and are given responsibilities that help them assess their individual strengths and weaknesses in order to ascertain the most appropriate and desirable entry-level position(s).

The internship experience permits the prospective health educator the opportunity to associate with experienced professional health colleagues in a field situation. The resulting dialogue should enable the future health educator to study firsthand the needs and trends of the field. The internship generally is completed during the senior year after completion of most, if not all, required coursework. The internship may be taken full- or part-time over one or more semesters, to equal 9 or more credits.

**Community Health Concentration (33 cr)**
- HLTH 4996: completion of 9 credits required
- HLTH 3300 - Technology, Design and Communication Applications in Health Education and Promotion (4.0 cr)
- HLTH 3303 - Health Education and Promotion Program (3.0 cr)
- HLTH 3305 - Community Health Methods and Strategies (4.0 cr)
- HLTH 3500 - Environmental Health (3.0 cr)
- HLTH 4000 - The Health Education Specialist: Skills and Application (4.0 cr)
- HLTH 4996 - Internship in Health Education (1.0 - 15.0 cr)
- A minor or 6 credits of approved electives.

**School Health Education**
This emphasis prepares graduates for teaching at the middle and secondary level (grades 5-12). Because this concentration is offered in conjunction with the Department of Education, students must meet requirements from that department. Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application to the licensure program. Admission is based on criteria established by the Department of Education that are consistent with Minnesota policies, as well as standards established by the National Council for Accreditation in Teacher Education. A student must have 1) completed EDUC 1101; 2) GPA of at least 2.50 cumulative (including transfer work) and in major courses completed at the time of application; 3) taken the required Minnesota basic skills exam for licensure; 4) passing scores on a nationally recognized standard test such as MTLE, ACT, or SAT; 5) a minimum of 30 documented hours working with students in grades K-12.

* Personal Liability Insurance: All student teachers are required to have professional liability insurance. Application forms are available in the Office of Field Experiences, Department of Education, 150 EduE.

* Exit Standards: Candidate proficiencies are assessed throughout the teacher preparation courses by UMD faculty, university supervisors, and the cooperating teachers in all field experiences. The field experience assessment forms include knowledge, skills, and dispositions that are aligned to institutional, state, and national standards for all field experiences.

* Candidates must complete a semester of full-time student teaching in a public school setting at the middle or secondary level. Double majors (such as physical education and health education) are required to student teach in both content areas. The final standards-based portfolio is due at the end of student teaching. Candidates must pass all required licensure tests before they can be recommended for teacher licensure in Minnesota.

**School Health Concentration (44 cr)**
- EDUC 3412 (register for 4 credits)
- EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
- EDUC 3412 - The Computer in Education (4.0 cr)
- HLTH 3302 - School Health Education Methods and Materials (3.0 cr)

**Block I (12 cr)**
All courses must be taken concurrently. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.
- EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
- EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
- EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
- SPED 3415 - Special Education in the Secondary School (3.0 cr)

**Block II (9 cr)**
All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website.
EDUC 4381 - Teaching Indigenous Students (3.0 cr)
EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
EDSE 4525 - Assessment for Secondary Education (3.0 cr)

Block III (13 cr)
All courses must be taken concurrently. EDSE 4600 (register for 12 cr)
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
EDUC 4500 - Professional Issues and Ethics (1.0 cr)
Duluth Campus

Health Education Minor

D Applied Human Sciences
College of Education and Human Service Professions

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2012
- Required credits in this minor: 27 to 28

Students with other majors who have a strong interest in health education and promotion may choose to complete the minor in health education with focus on health promotion. The coursework covers health content and health education/promotion program planning that would be applicable to various employment settings.

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

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

Students already enrolled as majors in CEHSP will be given priority for admission to the health education - health promotion minor. Enrollment for the minor will be determined twice a year - October 1 for spring semester and March 1 for fall semester. Contact the HPER department for more details.

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

Minor Requirements

Lower Division (10 cr)
HLTH 1100 - Health and Wellness Strategies for Life [LE CAT8, SUSTAIN] (3.0 cr)
HLTH 1470 - Human Nutrition [LE CAT5, NAT SCI] (3.0 cr)
PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)

Upper Division (17-18 cr)
Apply for admission to the upper division after completing the lower division courses, earning 60 credits, and having 2.50 GPA.
HLTH 3301 - Foundations of Health Education and Promotion (3.0 cr)
HLTH 3303 - Health Education and Promotion Program (3.0 cr)
HLTH 3307 - Conducting and Managing Worksite Health Promotion Programs (3.0 cr)
HLTH 3400 - Facilitating Healthy Lifestyle Change (3.0 cr)

Approved Electives
Other 3xxx courses with permission from program coordinator.
Take 5 - 6 credit(s) from the following:
- ESAT 3210 - Exercise Adherence (3.0 cr)
- ESAT 3432 (Inactive)(3.0 cr)
- HLTH 3101 - Community Health (3.0 cr)
- HLTH 3115 - Consumer Health Education (3.0 cr)
- HLTH 3116 - Principles of Epidemiology and Human Disease (3.0 cr)
- HLTH 3117 - Principles of Sex Education (3.0 cr)
- HLTH 3118 - Women's Health Issues (3.0 cr)
- HLTH 3500 - Environmental Health (3.0 cr)
- HPER 3100 - Risk Management (2.0 cr)

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Information current as of November 07, 2017
Duluth Campus
Integrated Elementary and Special Education B.A.Sc.

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 138
- Required credits within the major: 128
- This program is 9 terms (4 ½ years) long.
- This program requires summer terms.
- Degree: Bachelor of Applied Science

Successful completion of the B.A.Sc from the Integrated Elementary and Special Education (IESE) program qualifies students to apply for state licensure to teach K-6 elementary education and K-12 special education in the areas of learning disabilities and emotional behavior disorders. The major also provides a good foundation for programs leading to licensure as an elementary principal or school counselor, employment in public and private schools, as well as correctional settings, human service agencies, hospital-based settings, and private practice.

An effective teacher should possess a broad background in liberal and professional education. This professional program focuses on the structure of the various disciplines: the child as learner, the learning environment, diverse learners, teaching strategies in practicum settings, and student teaching experience in both elementary and special education settings. All students complete a common core of courses in elementary and special education with emphasis in theory and teaching strategies in literacy and language arts, math, social studies, science, classroom and behavior management, assessment, and academic intervention.

Elementary and special education licensure requirements are established by the state of Minnesota and guided by national standards. Those requirements are changed periodically. For this reason, all IESE majors should maintain contact with their adviser as they advance through the program.

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

Admission Requirements
Students must complete 48 credits before admission to the program.

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

Application for admission to the program may be filed during the second semester of the sophomore year or first semester of the junior year, depending on the completion of admission requirements. Requirements include:
1. Declaration of major has been filed and accepted.
2. Successful completion of 60 hours documented work with children in a professional setting.
3. A GPA of at least 2.70 or cumulative (including transfer work) and in major courses completed at the time of application.
4. Letter of application.
5. Three recommendations from professionals who have observed the applicant working with children. See Department of Education for form to be completed.
6. Evidence the applicant has taken the three sections of the Minnesota Board Teaching required MTLE Basic Skills Test.
7. Receive a C- or better in all required courses for the major.

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

Required prerequisites

Lower Division Requirements (35 cr)
In addition to courses listed below, students must successfully complete a MATH or STAT course; a GEOG course; and an English or literature course is suggested.

- ART 2810 - Art in Elementary Education [LE CAT10, FINE ARTS] (3.0 cr)
- ASL 2001 - Beginning American Sign Language I [LE CAT3, LECO CAT03, COMM & LAN] (3.0 cr)
- CSD 2230 - Introduction to Human Communication Disorders [LE CAT8, LECO CAT08, SOC SCI, CDIVERSITY] (3.0 cr)
ECH 2025 - Educating the Human Brain [SOC SCI] (3.0 cr)
EDUC 1000 - Human Development (3.0 cr)
EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
IESE 1010 - Introduction to Inclusive Education (3.0 cr)
IESE 2001 - Diversity and Education Implications (3.0 cr)
MATH 1141 - LOGIC & QR (4.0 cr)
UST 1000 - UMD Seminar (1.0 - 2.0 cr)
WRIT 1120 - College Writing [LE CAT1, WRITING] (3.0 cr)

**History requirement**
Take 1 or more course(s) from the following:
- HIST 1304 - US History Part I: 1607-1877 [LE CAT7, HUMANITIES] (4.0 cr)
- HIST 1305 - US History Part II: 1865-Present [LE CAT7, HUMANITIES] (4.0 cr)

**General Requirements**
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

4. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

5. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

**Program Requirements**
Requirements for Integrated Elementary and Special Education B.A.Sc. include:

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Student who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

**Upper Division Requirement (16 cr)**
- ISE 3331 - Children's Literature in the Elementary School (3.0 cr)
- HPER 3300 - Health and Physical Education in the Elementary School (3.0 cr)
- MU 3600 - Music in the Elementary Classroom (3.0 cr)
- SPED 4433 - Foundations in Special Education (4.0 cr)
- WRIT 3140 - Advanced Writing: Human Services (3.0 cr)

**Block 1 (18 cr)**
All courses must be taken concurrently.
- ISE 3325 - Foundations of Literacy and Language (3.0 cr)
- ISE 4366 - Teaching Elementary Social Studies I (3.0 cr)
- SPED 4310 - Response to Intervention in the General Education Classroom (4.0 cr)
- SPED 4381 - Classroom and Behavior Management (4.0 cr)
- SPED 4435 - Parent and Professional Communication and Collaboration (4.0 cr)

**Block 2 (17 cr)**
All courses must be taken concurrently.
- ISE 3355 - Critical Thinking Elementary Mathematics Methods I (2.0 cr)

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IESE 4344 - Teaching Science and Environmental Education I (3.0 cr)
EDUC 4347 - Second Language Acquisition & ELL: How Second Languages are Learned & Methods for Teaching (2.0 cr)
IESE 4367 - Teaching Elementary Social Studies II (2.0 cr)
SPED 4351 (Inactive)(4.0 cr)
SPED 4382 (Inactive)(4.0 cr)

Block 3 (17 cr)
All courses must be taken concurrently.
IESE 3326 - Advanced Literacy & Language: Designing & Implementing a Comprehensive Literacy Program (2.0 cr)
IESE 3356 - Elementary Mathematics Methods II (3.0 cr)
EDUC 3381 - Teaching American Indian Students in the Elementary Classroom (3.0 cr)
IESE 4346 - Teaching Science & Environmental Education II (2.0 cr)
SPED 4204 - Assessment in the General and Special Education Classroom (4.0 cr)
SPED 4452 - Academic Interventions for Students with Disabilities (4.0 cr)

Block 4 (12 cr)
ELED 4600 - Student Teaching (6.0 - 12.0 cr)

Block 5 (13 cr)
All courses must be taken concurrently; SPED 4600 must be taken for 6 credits.
SPED 4585 - Individual Education Plans: Development and Implementation (3.0 cr)
SPED 4455 - Transitional Planning for Adolescents with Disabilities (4.0 cr)
SPED 4600 - Student Teaching (1.0 - 12.0 cr)
Duluth Campus

Ojibwe Elementary School Education B.A.Sc.

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 142
- Required credits within the major: 124 to 126
- This program is 9 terms (4½ years) long.
- White Earth Tribal and Community College has requested that this program be offered at their college, and other tribal colleges are interested in sponsoring the program at their sites in the future as well.
- A target population for this program is American Indian students who are best suited to model the value of education to Native American Children. Offering the program near their home communities will allow students to be close to family and cultural support and resources.
- When the program is delivered at off-campus sites, students will register, receive financial aid, make payments, and conduct all other University business in the same manner as all other UMD students.
- Degree: Bachelor of Applied Science

The Ojibwe Elementary School Education B.A.Sc. (Gekinoo’imaagejig) program presents liberal arts and professional teacher preparation through an Anishinaabe lens, including development, learning and motivation, curriculum, instruction, assessment, and professionalism. The program integrates the American Indian Learner Outcomes into the elementary education licensure requirements established by the state of Minnesota.

Students in the program follow the core values of mino-bimaadiziwin, the Good Path:
- Honor the Creator, the Great Mystery
- Honor Elders
- Honor plants and animals
- Honor women
- Keep our promises and uphold our pledges
- Show kindness to everyone, even to those with whom we disagree
- Be peaceful in body and spirit
- Be courageous
- Be moderate in our dreams, thoughts, words, and deeds

Students who successfully complete the program are eligible to apply for licensure to teach grades K-6 in any Minnesota elementary school. The major also provides a K-8 licensure endorsement in teaching Ojibwe language in immersion schools or other schools. Students complete language courses throughout the program and participate in language immersion camps to achieve proficiency in the Ojibwe language and to gain skills in teaching Ojibwe.

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

Admission Requirements
Students must complete 36 credits before admission to the program.

Freshman and transfer students are usually admitted to pre-major status before admission to this major

After completing lower division requirements and meeting all admission criteria described in the elementary education admission packet, students must apply for admission to the Gekinoo’imaagejig program. Students may obtain a copy of the admission packet from their program adviser. After students are admitted to Gekinoo’imaagejig, they must maintain expected standards to remain in the program.

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.
### Required Courses Prior to Admission to Program (23-25 cr)

**Lower Division**

**EDUC 1100 - Human Diversity [LE CAT8, LECD CAT08, CDIVERSITY]** (3.0 cr)
**MATH 1005 - College Algebra** (5.0 cr)
**MATH or STAT course in category 2 of Liberal Education Program or MTC (3 cr)**
**COMM recommended course - COMM 1112 or 1 course from the following:**
- COMM 1xxx
- COMM 2xxx
- COMM 3xxx

**Take 3-4 credits from the following:**
- GEOG 1xxx
- GEOG 2xxx
- GEOG 3xxx

**Recommended course HIST 1304 or 1305. Take exactly 3 credits from the following:**
- HIST 1xxx
- HIST 2xxx
- HIST 3xxx

**Recommended course AMIN 1106, LE CAT9 or take 1 course from the following:**
- **AMIN 1606 - Introduction to American Indian Literature [LE CAT9, HUMANITIES, CDIVERSITY]** (3.0 cr)
- **ENGL 1001 - Great American Authors [LE CAT9, HUMANITIES]** (3.0 cr)
- **ENGL 1101 - Literature Appreciation [LE CAT9, HUMANITIES]** (3.0 cr)
- **ENGL 1575 - 20th-Century Literature [LE CAT9, HUMANITIES]** (4.0 cr)
- **ENGL 1582 - Introduction to World Literatures [LE CAT9, LEIP CAT09, HUMANITIES, GLOBAL PER]** (4.0 cr)
- **ENGL 1585 - Australian and New Zealand Literature and Culture [LE CAT9, LEIP CAT09, HUMANITIES, GLOBAL PER]** (4.0 cr)
- **ENGL 1907 - Introduction to Literature [LE CAT9, HUMANITIES]** (3.0 cr)

### Ojibwe Language (12 cr)

**AMIN 1103 - Beginning Ojibwe I [LE CAT3, LECD CAT03, COMM & LAN]** (3.0 cr)
**AMIN 1104 - Beginning Ojibwe II [LE CAT3, LECD CAT03, COMM & LAN]** (3.0 cr)
**AMIN 2103 - Intermediate Ojibwe I [LE CAT3, LECD CAT03, COMM & LAN]** (3.0 cr)
**AMIN 2104 - Intermediate Ojibwe II [LE CAT3, LECD CAT03, COMM & LAN]** (3.0 cr)

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### General Requirements

The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the [Liberal Education Program](#).

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

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### Program Requirements

Students are required to take 2 semester(s) of Ojibwe.

Requirements for the B.A.Sc. in Ojibwe Elementary School Education (Gekinoo'imaagejig) include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP
Advising & Academic Services Office early in their senior year.

* Degree candidates must complete at least 20 of the last 30 degree credits immediately before graduation and must be taken at UMD.

* Special Needs: Students who need accommodations because of a disability or a special need should consult their program adviser and Disability Resources.

* Registration for student teaching requires: a) completion of at least 85 percent of teaching major courses; b) completion (graded) of all education methods courses; c) satisfactory academic progress, including grades of C- or better in all courses in the teaching major(s); d) acceptable professional performance in field experiences; and e) an approved background check.

**Upper Division (37 cr)**
- IESE 3326 - Advanced Literacy & Language: Designing & Implementing a Comprehensive Literacy Program (2.0 cr)
- EDUC 4347 - Second Language Acquisition & ELL: How Second Languages are Learned & Methods for Teaching (2.0 cr)
- MATH 1141 {Inactive} [LOGIC & QR] (4.0 cr)
- OJED 3100 - Advanced Ojibwe Grammar and Narrative (4.0 cr)
- OJED 3101 {Inactive} (4.0 cr)
- OJED 3102 - Historical and Contemporary Issues in American Indian Education (3.0 cr)
- OJED 3103 {Inactive} (3.0 cr)
- OJED 3104 {Inactive} (2.0 cr)
- OJED 3200 - Ojibwe Language for Teachers (4.0 cr)
- OJED 3201 {Inactive} (3.0 cr)
- OJED 3202 {Inactive} (3.0 cr)
- OJED 3203 {Inactive} (3.0 cr)

**Block I (18 cr)**
- OJED 4100 - Conversational Ojibwe for the Classroom and Community (4.0 cr)
- OJED 4101 {Inactive} (4.0 cr)
- OJED 4102 {Inactive} (4.0 cr)
- OJED 4103 {Inactive} (4.0 cr)
- OJED 4104 {Inactive} (2.0 cr)

**Block II (16 cr)**
Students' progress is monitored, including academic progress, (grades of C or better in all courses), professional dispositions as indicated through minobimaadiziwin, and teaching skills demonstrated during field experiences.

If faculty, staff, or cooperating teachers in the field raise concerns related to any student's academic performance or professional behavior, a professional development plan will be developed and implemented.

- OJED 4200 - Ojibwe Language Methods (4.0 cr)
- OJED 4201 {Inactive} (4.0 cr)
- OJED 4202 {Inactive} (4.0 cr)
- OJED 4203 {Inactive} (4.0 cr)

Students must successfully complete an Oral Proficiency Interview before student teaching. (Taken prior to Block III)

**Block III (14 cr)**
Student teaching: students must apply for student teaching the semester prior to student teaching. Applications are available online at www.d.umn.edu/enigkendaasoyang. All incompletes must be cleared, prior to filing the application. Student teaching assignments are made by the Gekinoo'imaagejig program.

- OJED 4600 {Inactive} (12.0 cr)
- OJED 4610 {Inactive} (2.0 cr)

**Advanced Writing Requirement (3 cr)**
- WRIT 3110 - Advanced Writing: Arts and Letters (3.0 cr)
- or WRIT 3140 - Advanced Writing: Human Services (3.0 cr)

**Recommendation for Licensure**
Demonstrate satisfactory progress expected by the program, grade of C or better in all required courses, acceptable ratings from the classroom and University supervisors for all field experiences, student teaching, and a completed professional portfolio documenting competence in Minnesota and national Standards of Effective Practice and the Minnesota American Indian Learner Outcomes. Students must pass all tests required by the Minnesota Board of Teaching to be eligible for licensure.
Duluth Campus
Physical Education B.A.Sc.
D Applied Human Sciences
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 123 to 134
- Required credits within the major: 105 to 116
- Degree: Bachelor of Applied Science

The bachelor of applied science (B.A.Sc.) in physical education is for students preparing for teacher licensure in physical education (K-12). The major meets Minnesota Board of Teaching licensure requirements and standards of the National Council for the Accreditation of Teacher Education (NCATE) for teaching physical education in grades K-12 in Minnesota. The program is taught using the Learner-Sensitive Educator Model, supporting preferences of reflection, social justice, collaboration, empowerment, and technology.

Students are required to obtain personal liability insurance to protect them while they are working in public school situations. Proof of insurance also is required when enrolled in Physical Education Teacher Education (PETE) 4100, 4125, 4200, 4225, 4250, and student teaching. This usually is obtained most economically by student membership in the Minnesota Education Association. Applications are available in the department office.

The physical education program develops subject matter expertise of prospective teachers through a sequential set of courses. PETE courses are open only to majors, allowing faculty to focus on the specific needs and learning objectives of the physical education major.

The physical education program also instills an appropriate set of professional dispositions (attitudes and behaviors) that are predictors of success in educational settings. Students who fail to exhibit appropriate dispositions may be removed from the program.

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

Admission Requirements
Students must complete 44 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by policies in effect at the time of application. Admission is based on criteria established by the Department of Education that is consistent with MN polices and standards establish by the National Council for Accreditation in Teacher Education. A student must have:
1. Completed EDUC 1101
2. A GPA of at least 2.50 cumulative (including transfer work) and in major courses completed at the time of application
3. Taken the required MTLE Basic Skills Test for licensure
4. Passing scores on a nationally recognized standardized test such as MTLE Basic Skills Test or SAT
5. Minimum of 30 documented hours working with students in grades K - 12

Students must submit a letter of application, resume, letters of recommendation, and a copy of their APAS report. There are alternatives to these established admission guidelines.

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.
UST 1000 - UMD Seminar (1.0 - 2.0 cr)
Lower Division (43 cr)
EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
ESAT 2400 - Applied Exercise Science (3.0 cr)
HLTH 1100 - Health and Wellness Strategies for Life [LE CAT8, SUSTAIN] (3.0 cr)
HLTH 1700 - First Responder (3.0 cr)
PETE 1000 - Introduction and Foundations of Physical Education (4.0 cr)
PETE 1001 - Teaching Games and Activities (2.0 cr)
PETE 1002 - Teaching Team Sport Activities (2.0 cr)
PETE 1003 - Teaching Outdoor Activities in Physical Education (2.0 cr)
PETE 1004 - Teaching Recreational and Lifetime Activities (2.0 cr)
PETE 1005 - Teaching Physical Fitness Activities (2.0 cr)
PETE 1006 - Teaching Aquatic Activities (2.0 cr)
PETE 1007 - Teaching Dance Activities (2.0 cr)
PETE 1008 - Teaching Rhythmic Activities (2.0 cr)
WRIT 1120 - College Writing [LE CAT1, WRITING] (3.0 cr)
BIOL 1001 - Biology and Society [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
or BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)
or PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in physical education include:
* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.
* For degree candidates at least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.

Block Requirements:
Students must have completed (or be currently enrolled) in all lower division 1xxx PETE courses before applying to the Secondary Teacher Education Program (STEP). Application to the STEP program (due the 6th Friday of the semester) typically occurs in the fall semester of the junior year. Students need to have completed or be currently enrolled in PETE 3100, 3400, and 3500. Applications are available from the Department of Education website.

Upper Division (23 cr)
EDUC 3412 (register for 4 cr)
EDUC 3412 - The Computer in Education (4.0 cr)
ESAT 3200 - Motor Learning and Development (5.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
PETE 3100 - Curricular Approaches in Physical Education (3.0 cr)
PETE 3400 - Adapted Physical Education (3.0 cr)  
PETE 3500 - Student Assessment in Physical Education (3.0 cr)  
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)

Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings. Evidence of completion of this requirement will be included in candidates' professional portfolios.

Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.

Block 1 (13 cr)
All courses must be taken concurrently.
EDSE 4100 - Teaching in a Diverse Society (3.0 cr)  
EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)  
PETE 4250 - Supervised Teaching College I: Planning for Instruction (1.0 cr)  
PETE 4100 - Elementary Physical Education Methods (4.0 cr)  
    with PETE 4125 - Apprenticeship: Elementary (2.0 cr)

Block 2 (11 cr)
All courses must be taken concurrently. Students must apply for student teaching while enrolled in Block 2 courses. Applications must be submitted by the 4th Friday of the semester. Applications are available from Department of Education website. Block 2 is also the time to take the MTLE content area and pedagogy test. These tests are required for licensure in Minnesota.
EDSE 4214 - Teaching Content-Area Reading (2.0 cr)  
EDUC 4391 - Teaching Indigenous Students (3.0 cr)  
PETE 4250 - Supervised Teaching College I: Planning for Instruction (1.0 cr)  
PETE 4200 - Secondary Physical Education Methods (4.0 cr)  
    with PETE 4225 - Apprenticeship: Secondary (2.0 cr)

Block 3 (14 cr)
All courses must be taken concurrently. Students are expected to have complete all PETE courses (except PETE 4600) prior to registration for student teaching.
EDSE 4600 (register for 6 cr)  
ELED 4650 (register for 6 cr)  
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)  
EDUC 4500 - Professional Issues and Ethics (1.0 cr)  
ELED 4650 - Student Teaching in Individual Subjects: K-8 (1.0 - 6.0 cr)  
PETE 4600 - Seminar in Physical Education (1.0 cr)

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

Outdoor Education
The concentration in outdoor education is a series of courses that, in addition to the required courses for the physical education major, provide coursework to enable the student to incorporate outdoor educational skills into its curriculum. This concentration better prepares the physical education teacher for professional expectations.

Outdoor education courses (11 cr)

Required Courses (7 cr)
ENED 4163 - Outdoor Education Methods (3.0 cr)  
PETE 3505 - Teaching Outdoor Skills I (2.0 cr)  
PETE 3507 - Teaching Outdoor Skills II (2.0 cr)

Electives (4 cr)
Take 4 or more credit(s) from the following:
- ENED 3309 - Outdoor Leadership (1.0 cr)  
- ENED 3310 - Outdoor Leadership Field Experience (2.0 cr)  
- ENED 4410 - Ropes Course Management (3.0 cr)  
- PE 1500 - Cross-Country Skiing [PE] (1.0 cr)  
- PE 1502 - Alpine Skiing [PE] (1.0 cr)  
- PE 1507 - Introduction to River Kayaking [PE] (1.0 cr)  
- PE 1508 - Flatwater Canoeing [PE] (1.0 cr)
• PE 1510 (Inactive) [PE] (2.0 cr)
• PE 1511 - Sea Kayaking (1.0 cr)
• PE 1512 - Fishing Skills [PE] (1.0 cr)
• PE 1530 - Rock Climbing [PE] (1.0 cr)
• PE 1531 - Intermediate Rock Climbing (1.0 cr)
• PETE 3501 - Teaching Cross-Country Skiing (1.0 cr)
• ENED 1201 - Outdoor Skills I [PE] (2.0 cr)
• ENED 1203 - Outdoor Skills I (2.0 cr)
**Duluth Campus**

**Psychology B.A.Sc.**

**Psychology**

**College of Education and Human Service Professions**

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 120
- Required credits within the major: 52
- The online major is designed to extend UMD's outreach by targeting students who would have a difficult time re-locating in order to earn a bachelor's degree. Likewise, there is a potential collaboration with the UM Crookston campus to provide an opportunity for students currently enrolled at that campus to earn a psychology degree.
- Degree: Bachelor of Applied Science

The bachelor of applied science (B.A.Sc.) in psychology provides students with a firm grounding in the methods, history, and content areas of the discipline. Students are prepared for graduate study leading to advanced degrees in psychology or for paraprofessional positions requiring some application of research or human service delivery skills. The core curriculum covers the research methods used in the scientific study of behavior, and surveys theories, findings, and historical applications in a variety of psychology subfields. Students apply their methodology training to a topic of their choice in a faculty-supervised independent research project during the design and methodology courses of the core curriculum. In addition, the core curriculum requires some exposure to the main areas of the discipline. Students also have the opportunity to focus their study toward either graduate training or paraprofessional employment through their selection of elective courses (recommended as “tracks”), independent studies, or internships. Students should consult with faculty advisers to select appropriate elective courses to meet their career goals.

Students may qualify for department, college or University awards and scholarships. Please visit [www.d.umn.edu/cehsp/scholarships/index.html](http://www.d.umn.edu/cehsp/scholarships/index.html). Students are encouraged to present their research findings at the Twin Ports Undergraduate Psychology Conference or the National Council for Undergraduate Research.

Distance Education - Many psychology courses are available online. An online major is available to students who have completed an associate degree or Minnesota Transfer Curriculum (MTC) or have verification of registration from transfer institution where completing remaining credits for AA degree or MTC. The requirements for the online major are identical to those of the existing major but are structured to facilitate the delivery in the online medium. The online psychology major admits students every fall semester. Please call the Department of Psychology or visit the website at [www.d.umn.edu/psy/](http://www.d.umn.edu/psy/) for more information.

Honors Requirements: Senior students who have a minimum GPA of 3.80 in all psychology courses graduate with department honors in psychology. Senior students who have a GPA between 3.25 and 3.79 in all psychology courses and also have an overall GPA minimum of 3.00 may earn department psychology honors by doing one of the following: 1) complete an honors research project (PSY 3986) or an application project (PSY 3997) under the supervision of a psychology faculty member; 2) take an honors seminar (PSY 3985); or 3) apply for and conduct a UROP (Undergraduate Research Opportunity Project). Students eligible for honors are urged to consult with their advisers or a psychology department faculty member on how they wish to pursue departmental honors before the end of their junior year.

**Program Delivery**

This program is available:
- via classroom (the majority of instruction is face-to-face)
- completely online (all program coursework can be completed online)

**Admission Requirements**

Students must complete 24 credits before admission to the program.

Freshmen students are usually admitted to pre-major status before admission to this major

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

Students are admitted to UMD as pre-psychology majors. Pre-psychology majors, or students with other declared majors, who have an overall GPA of 2.50, a minimum of 24 completed credits, and have taken PSY 1003 - General Psychology or equivalent may declare psychology as a major by contacting the CEHSP Advising and Academic Services Office. Progress toward completion of degree requirements is continuously tracked by the UMD Registrar's APAS system.

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Information current as of November 07, 2017
To apply for admission to the online major, graduates from partner community colleges must have a 2.50 GPA. It is best if students have already completed a course in general psychology. Admissions are for fall only.

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

**Required prerequisites**

**Introductory Course (1 cr)**

This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.

**UST 1000 - UMD Seminar (1.0 - 2.0 cr)**

**General Requirements**

The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

**Program Requirements**

Requirements for the B.A.Sc. in psychology include:

* 20 credits of PSY 3xxx or higher applied to the B.A.Sc. must be taken in residence at UMD.

* Degree candidates must complete at least 30 degree credits at UMD. At least 20 of the last 30 degree credits immediately before graduation must be taken at UMD.

* A minor program or 18 additional 3xxx credits or higher outside the major.

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Student Advising & Academic Services Office early in their senior year.

* Students are strongly encouraged to take advanced writing before taking PSY 3021.

* To qualify for admission to the online program, students who have completed an AA degree or MN Transfer Curriculum or have verification of registration from transfer institution where completing remaining credits. Students are admitted every fall semester.

Study abroad: psychology students may elect to study abroad using the many opportunities UMD offers. Information is available at www.d.umn.edu/ieo.

**Psychology B.A.Sc.**

Students are encouraged to select at least one personal experience that fosters engagement with psychology: active membership in Psi Chi & Psychology Club; peer advisers; becoming a research and/or teaching assistant in cooperation with a psychology faculty member; applying for a UROP or conducting research or a project through guided independent study (PSY 3994, 3986, 3989). Students can have a supervised internship experience in an organization (PSY 3011), prereq 3010.

*Core A*
Note: PSY 3020, 3021, 3022 must be completed in sequence. PSY 2003, 3020 are prereqs for PSY 3021.

**PSY 1003** - General Psychology [LE CAT6, SOC SCI] (4.0 cr)
**PSY 2003** - Psychology: Discipline and Profession (1.0 cr)
**PSY 3020** - Statistical Methods (4.0 cr)
**PSY 3021** - Experimental Design and Methodology (4.0 cr)
**PSY 3022** - Applied Methods and Measurement (4.0 cr)
**PSY 3081** - History and Systems of Psychology (3.0 cr)
**BIOL 1001** - Biology and Society [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
or **BIOL 1011** - General Biology I [LE CAT4, NAT SCI] (5.0 cr)

**Core B**
Take 2 or more course(s) from the following:
- **PSY 2021** - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- **PSY 3111** - Theories of Personality (3.0 cr)
- **PSY 3121** - Abnormal Psychology (4.0 cr)
- **PSY 3201** - Social Psychology (3.0 cr)
- **PSY 3520** - Introduction to Industrial/Organization Psychology (4.0 cr)

**Core C**
Take 2 or more course(s) from the following:
- **PSY 3061** - Physiological Psychology (4.0 cr)
- **PSY 3611** - Learning and Behavior (4.0 cr)
- **PSY 3621** - Social Psychology (3.0 cr)
- **PSY 3697** - Sensation and Perception (4.0 cr)

**Advanced Writing**
Students are strongly encouraged to take advanced writing before taking PSY 3021.
**WRIT 3140** - Advanced Writing: Human Services (3.0 cr)
or **WRIT 3160** - Advanced Writing: Social Sciences (3.0 cr)

**Electives: PSY 2xxx or higher to total 52 credits for the major**
Recommended electives for areas of interest from the following:
Take 10 - 14 credit(s) including 0 or more sub-requirements(s) from the following:

**Clinical/Counseling**
Take 0 - 9 credit(s) from the following:
- **PSY 2021** - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- **PSY 3082** [Inactive] (3.0 cr)
- **PSY 3111** - Theories of Personality (3.0 cr)
- **PSY 3121** - Abnormal Psychology (4.0 cr)
- **PSY 3122** - Child and Adolescent Abnormal Psychology (3.0 cr)
- **PSY 3201** - Social Psychology (3.0 cr)
- **PSY 3524** - Basic Helping Skills (4.0 cr)
- **PSY 3540** [Inactive] (3.0 cr)
- **PSY 3613** - Applied Behavior Analysis and Behavior Change (4.0 cr)
- **PSY 4121** - Foundations of Clinical Psychology (3.0 cr)
- **PSY 4500** - Health Psychology (3.0 cr)

**Developmental**
Take 0 - 6 credit(s) from the following:
- **PSY 2021** - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- **PSY 2023** - Marriages and Families Worldwide [LE CAT8, LEIP CAT08, GLOBAL PER] (4.0 cr)
- **PSY 2223** - Gender in Society [LE CAT8, LECD CAT08, CDIVERSITY] (4.0 cr)
- **PSY 3122** - Child and Adolescent Abnormal Psychology (3.0 cr)
- **PSY 3215** - Topics in Human Sexuality (3.0 cr)
- **PSY 3371** - Child and Adolescent Psychology (3.0 cr)
- **PSY 3381** - Adult Development and Aging (3.0 cr)
- **PSY 3631** [Inactive] (3.0 cr)
- **PSY 3661** - Psychology of Language (3.0 cr)

**Experimental**
Take 0 - 6 credit(s) from the following:
- **PSY 3061** - Physiological Psychology (4.0 cr)
- **PSY 3231** - Psychology of Drug Use (3.0 cr)
- **PSY 3613** - Applied Behavior Analysis and Behavior Change (4.0 cr)
- **PSY 3621** - Cognition (4.0 cr)
- **PSY 3661** - Psychology of Language (3.0 cr)
- **PSY 3697** - Sensation and Perception (4.0 cr)
- **PSY 4130** - Evolutionary Psychology (3.0 cr)
- **PSY 5131** - Mind-Body Connection (3.0 cr)
- **PSY 5155** - Forensic Psychology (3.0 cr)

**Human Services**
Take 0 - 10 credit(s) from the following:
• PSY 2023 - Marriages and Families Worldwide [LE CAT8, LEIP CAT08, GLOBAL PER] (4.0 cr)
• PSY 3010 - Internship Preparation (2.0 cr)
• PSY 3011 - Internship in Psychology (3.0 cr)
• PSY 3082 \textit{(Inactive)} (3.0 cr)
• PSY 3211 - Group Dynamics (3.0 cr)
• PSY 3524 - Basic Helping Skills (4.0 cr)
• PSY 3601 - Psychology of Personal Development (3.0 cr)

• Industrial/Organizational
Take 0 - 6 credit(s) from the following:
• PSY 3010 - Internship Preparation (2.0 cr)
• PSY 3011 - Internship in Psychology (3.0 cr)
• PSY 3520 - Introduction to Industrial/Organizational Psychology (4.0 cr)
• PSY 3701 - Personnel Psychology (3.0 cr)
• PSY 3707 - Organizational Psychology (3.0 cr)

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

Online Psychology Major
B.A.Sc. psychology major (only) in an online format. The remaining credits can be taken at another institution which allows for great flexibility.

* An online major is available to students who have completed an associate degree or Minnesota Transfer Curriculum (MTC) or have verification of registration from transfer institution where completing remaining credits for AA degree or MTC and assumes 59 credits completed before starting the online major.

* The requirements for the online major are identical to those of the existing major but are structured to facilitate the delivery in the online medium.

* Students are admitted every fall semester. Please call the Department of Psychology or visit the website at www.d.umn.edu/psy/ for more information.

* The research methods courses are considered to be the capstone experience for the program. The research methods courses require students to design and conduct a study.
Duluth Campus
Psychology Minor

Psychology
College of Education and Human Service Professions

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2012
- Required credits in this minor: 26

The undergraduate minor in psychology provides students with a basic survey of psychological theories, content areas, and methodology.

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

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

Students with a cumulative GPA of 2.50 may declare a psychology minor at any time.

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

Minor Requirements
Exit requirement: Minimum 2.00 (CEHSP requirement)

Psychology Minor Courses (6-7 cr)
Note: PSY 3020 may be substituted for PSY 2020, but PSY 2020 may not substitute for PSY 3020.
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)
PSY 2020 - Introduction to Statistics and Research Methods (3.0 cr)
or SOC 2155 - Introduction to Research Methods and Analysis (4.0 cr)
or ECON 2030 - Applied Statistics for Business and Economics [LOGIC & QR] (3.0 cr)
or STAT 2411 - Statistical Methods [LE CAT2, LOGIC & QR] (3.0 cr)
or ESAT 4700 - Statistics and Research Methods in Exercise Science (4.0 cr)
or Other comparable courses as approved by department.

Group I (3-4 cr)
Choose one course:
PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
or PSY 3081 - History and Systems of Psychology (3.0 cr)
or PSY 3111 - Theories of Personality (3.0 cr)
or PSY 3121 - Abnormal Psychology (4.0 cr)
or PSY 3201 - Social Psychology (3.0 cr)

Group II (4 cr)
Choose one course:
PSY 3061 - Physiological Psychology (4.0 cr)
or PSY 3611 - Learning and Behavior (4.0 cr)
or PSY 3621 - Cognition (4.0 cr)
or PSY 3697 - Sensation and Perception (4.0 cr)

Psychology Elective Courses (10-12 cr)
PSY courses 2xxx or higher so total equals 26 credits
PSY 2xx
PSY 3xx
PSY 4xx
Recreation - Outdoor Education Minor
College of Education and Human Service Professions

- Program Type: Undergraduate minor related to major
- Requirements for this program are current for Fall 2012
- Required credits in this minor: 24
- This program requires summer terms.

The recreation - outdoor education minor familiarizes students with informal outdoor education settings.

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

Admission Requirements
Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Acceptance into this minor requires a minimum GPA of 2.50 plus application to the Department of Health, Physical Education, and Recreation (HPER).

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

Minor Requirements

Lower Division Core (8 cr)
- ENED 1000 - Introduction to Environmental and Outdoor Education (4.0 cr)
- HLTH 1650 - CPR/AED for the Professional Rescuer (1.0 cr)
- HLTH 1700 - First Responder (3.0 cr)

Upper Division Core (16 cr)
- ENED 4163 - Outdoor Education Methods (3.0 cr)
- PETE 3507 - Teaching Outdoor Skills II (2.0 cr)
- REC 2300 (Inactive) (3.0 cr)
- ENED 4997 - Recreation Practicum (3.0 cr)

Take 5 or more credit(s) from the following:
- REC 3xxx
- REC 4xxx
- REC 5xxx
Duluth Campus
Recreation-Outdoor Education B.A.Sc.
D Applied Human Sciences
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 120
- Required credits within the major: 101
- This program requires summer terms.
- Degree: Bachelor of Applied Science

The bachelor of applied science (B.A.Sc.) in recreation - outdoor education prepares students for professional careers in outdoor education allowing them to work in nonformal outdoor education settings such as nature centers; city, state, or national parks; college outdoor programs; or for commercial agencies. Core components include program planning and delivery, education methods, physical skills development, management, facilities coordination, evaluation, and principles of recreation. The recreation major is a four-year curriculum including one full semester of field placement in an outdoor educational setting.

This major provides professional training for nontraditional education settings that may not require a teaching license as a prerequisite credential. Refer to the environmental education emphasis under the teaching life science and/or teaching earth and space science majors for training that includes a teaching licensure.

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

Admission Requirements
Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.

UST 1000 - UMD Seminar (1.0 - 2.0 cr)

Lower Division Core (27 cr)
HLTH 3620 - Wilderness First Response (3 cr) may be substituted for HLTH 1700.
ENED 1000 - Introduction to Environmental and Outdoor Education (4.0 cr)
ENED 2000 - Technology in Outdoor Education (3.0 cr)
HLTH 1700 - First Responder (3.0 cr)
ENED 1203 - Outdoor Skills I (2.0 cr)
ENED 1204 - Outdoor Skills II (2.0 cr)
REC 2300 *(Inactive)* (3.0 cr)

Biology
BIOL 1001 - Biology and Society [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)

or BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)

Physical Education
Take 2 or more credit(s) from the following:
- PE 1xxx

Psychology
PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)

or PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in Recreation - Outdoor Education include:

* Completion of all courses specified for the major with a minimum cumulative 2.00 GPA (including transfer work). No grades lower than C- in courses required for the major.

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

Skill Competency: Students who enroll in Physical Education Teaching Education (PETE) teaching skill courses must demonstrate advanced skills competencies for the course. Descriptions of skills required should be reviewed with the course instructor before enrollment.

Upper Division Core (50 cr)
Exit Standards: students must complete a full semester (12 credits) of field placement at a pre-approved site. A minimum of 600 contact hours must be completed. Students may complete their internship at a site located locally, nationally, or internationally. An overall GPA of 2.50 is required for enrollment
ENED 3309 - Outdoor Leadership (1.0 cr)
ENED 3310 - Outdoor Leadership Field Experience (2.0 cr)
ENED 3341 - Field Interpretive Techniques I (3.0 cr)
ENED 3342 - Field Interpretive Techniques II (3.0 cr)
ENED 4163 - Outdoor Education Methods (3.0 cr)
ENED 4315 - Operations and Management (4.0 cr)
ENED 4555 - Foundations of Environmental Education (3.0 cr)
ENED 4996 - Outdoor Education Internship (12.0 cr)
HPER 3100 - Risk Management (2.0 cr)
HPER 3200 - Research and Evaluation in Health Science (3.0 cr)
PETE 3501 - Teaching Cross-Country Skiing (1.0 cr)
PETE 3505 - Teaching Outdoor Skills I (2.0 cr)
PETE 3507 - Teaching Outdoor Skills II (2.0 cr)
ENED 3327 - Large Event Management (3.0 cr)
ENED 3330 - Outdoor Recreation (3.0 cr)
ENED 4320 - GIS Management for Recreation Professionals (3.0 cr)

Approved Electives - Natural Sciences (10 cr)
The BIOL and GEOL field courses require adviser approval.
Take 10 or more credit(s) from the following:
• ENED 5343 - Advanced Field Interpretive Techniques (3.0 cr)
• HLTH 2030 - Applied Human Anatomy (4.0 cr)
• HLTH 2040 - Human Physiology (4.0 cr)
Approved Electives - Social Sciences (10 cr)
Take 10 or more credit(s) from the following:
- **ENED 4410** - Ropes Course Management (3.0 cr)
- **ENED 4601** - Wilderness Philosophy (2.0 cr)
- **ENED 5165** - Theories and Models in Outdoor Education (2.0 cr)
- **ENED 5325** - Sustainability Issues Investigation (2.0 cr)
- **ENED 5998** - Outdoor Education Seminar (1.0 cr)
- **PE 2240** - Lifeguarding Today (1.0 cr)
- **PETE 3508** - Teaching Rock Climbing (1.0 cr)
- **ENED 4991** - Independent Study (1.0 - 4.0 cr)
- **ENED 4992** - Readings in Recreation (1.0 - 4.0 cr)
- **ENED 4997** - Recreation Practicum (3.0 cr)
- **AAAS 2xxx**
- **AAAS 3xxx**
- **AAAS 4xxx**
- **AMIN 2xxx**
- **AMIN 3xxx**
- **AMIN 4xxx**
- **ANTH 2xxx**
- **ANTH 3xxx**
- **ANTH 4xxx**
- **ASL 2xxx**
- **ASL 3xxx**
- **ASL 4xxx**
- **COMM 2xxx**
- **COMM 3xxx**
- **COMM 4xxx**
- **CST 2xxx**
- **CST 3xxx**
- **CST 4xxx**
- **EDSE 2xxx**
- **EDSE 3xxx**
- **EDSE 4xxx**
- **EDUC 2xxx**
- **EDUC 3xxx**
- **EDUC 4xxx**
- **HLTH 2xxx**
- **HLTH 3xxx**
- **HLTH 4xxx**
- **MKTG 2xxx**
- **MKTG 3xxx**
- **MKTG 4xxx**
- **PHIL 2xxx**
- **PHIL 3xxx**
- **PHIL 4xxx**
- **POL 2xxx**
- **POL 3xxx
• POL 4xxx
• PSY 2xxx
• PSY 3xxx
• HLTH 3xxx
• PSY 4xxx
• SOC 2xxx
• SOC 3xxx
• SOC 4xxx
• URS 2xxx
• URS 3xxx
• URS 4xxx
• WS 2xxx
• WS 3xxx
• WS 4xxx

Advanced Writing Requirement (3 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
or WRIT 3160 - Advanced Writing: Social Sciences (3.0 cr)
Duluth Campus

Special Education Minor

Education

College of Education and Human Service Professions

• Program Type: Undergraduate free-standing minor
• Requirements for this program are current for Fall 2012
• Required credits in this minor: 20

Courses for the special education minor apply toward but do not complete K-12 special education licensure requirements. Remaining courses can be taken on a postbaccalaureate contract.

Program Delivery

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

Minor Requirements

Special Education Minor Courses (20 cr)

- SPED 4204 - Assessment in the General and Special Education Classroom (4.0 cr)
- SPED 4381 - Classroom and Behavior Management (4.0 cr)
- SPED 4433 - Foundations in Special Education (4.0 cr)
- SPED 4435 - Parent and Professional Communication and Collaboration (4.0 cr)
- SPED 4452 - Academic Interventions for Students with Disabilities (4.0 cr)
Teaching Communication Arts and Literature B.A.A.

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 121
- Required credits within the major: 102 to 103
- Degree: Bachelor of Applied Arts

The B.A.A. in teaching communication arts/literature is offered by the Department of Education in conjunction with the Departments of English, Composition, Linguistics and Writing Studies. This program is required for students seeking teacher licensure as Minnesota communication arts/literature teachers for grades 5 through 12.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative, including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation, and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.
UST 1000 - UMD Seminar (1.0 - 2.0 cr)

Lower Division Requirements (19 cr)
COMM 1112 - Public Speaking [LE CAT3, COMM & LAN] (3.0 cr)
COMM 1222 - Interpersonal Communication [LE CAT3, LECD CAT03, COMM & LAN] (3.0 cr)
COMM 1500 - Media and Society [LE CAT8, HUMANITIES] (3.0 cr)
EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
ENGL 1582 - Introduction to World Literatures [LE CAT9, LEIP CAT09, HUMANITIES, GLOBAL PER] (4.0 cr)
LING 1811 - Introduction to Linguistics [LE CAT2, LOGIC & QR] (3.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled
including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two
degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through
courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this
requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A
minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade
point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.A. in teaching communication arts and literature include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP
Advising & Academic Services Office early in their senior year.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the
major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical
experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching
experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are
available from the department office.

Upper Division Requirements (36 - 37 cr)
Students must make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.
Students must have personal liability insurance while they are working in field placement settings.

Students must register for 4 credits in EDUC 3412.
EDUC 3412 - The Computer in Education (4.0 cr)
ENGL 3501 - British Literature I [HUMANITIES] (4.0 cr)
ENGL 3563 - American Literature I [HUMANITIES, CDIVERSITY] (4.0 cr)
ENGL 3564 - American Literature II [HUMANITIES, CDIVERSITY] (4.0 cr)
ENGL 3906 - Methods of Literary Study (4.0 cr)
ENGL 5902 - Teaching Language, Cognition, and Writing (4.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
ENGL 4802 - English Language for Educators (4.0 cr)

British Period Literature
Take 3 or more credit(s) from the following:
•ENGL 3xxx
•ENGL 4xxx

Advanced Writing Requirement
WRIT 3100 - Advanced Writing: Language and Literature (3.0 cr)
or WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
or ENGL 3115 - Writing Fiction (4.0 cr)
or ENGL 3121 - Writing Poetry (4.0 cr)
or ENGL 5116 - Advanced Writing of Fiction (4.0 cr)
or ENGL 5122 - Advanced Writing of Poetry (4.0 cr)

Block Requirements (45 cr)
Application for admission to the blocks can only be completed fall semester for spring semester admission. Application for admission
to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education
website.

Block I (14 cr)
All courses must be taken concurrently. Consult advisor for additional upper division English courses.
EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
EDSE 4215 - Teaching Reading and Literature: Grades 5-12 (4.0 cr)
EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
SPED 3415 - Special Education in the Secondary School (3.0 cr)

Block 2 (18 cr)
All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website. Consult advisor for additional upper division English courses.
EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
EDSE 4525 - Assessment for Secondary Education (3.0 cr)
EDUC 4381 - Teaching Indigenous Students (3.0 cr)
ENGL 5922 (Inactive) (5.0 cr)
Take 4 or more credit(s) from the following:
• ENGL 5xxx

Block 3 (13 cr)
All courses must be taken concurrently. Students must register for EDSE 4600 for 12 credits.
EDUC 4500 - Professional Issues and Ethics (1.0 cr)
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)

Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings.
Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required, however, candidates who wish to earn credit may register for EDUC 4991.
Duluth Campus

Teaching Earth and Space Science B.A.Sc.

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 134 to 166
- Required credits within the major: 116 to 148
- This program is 9 terms (4½ years) long.
- This program requires summer terms.
- Degree: Bachelor of Applied Science

The B.A.Sc. in Teaching Earth and Space Sciences is offered by the Department of Education in conjunction with the Department of Geological Sciences. This major is for students who plan to teach all science areas in grades 5 through 8 and teach earth and space sciences in grades 9 through 12.

Students have the option of also completing the environmental education emphasis with this major. This emphasis enhances the student's major by integrating environmental education into formal (pre-K-12), as well as nonformal education settings such as parks and nature centers. A student in this emphasis must meet the same GPA requirements as for the major. The emphasis is noted on the student's diploma.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 50 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites

Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

- Register course for one credit.
- UST 1000 - UMD Seminar (1.0 - 2.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two
degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in teaching earth and space science include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Degree candidates must complete at least 20 of the last 30 degree credits immediately before graduation at UMD.

* Students must make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.

* Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

Lower Division Requirements (58 cr)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AST 1040</td>
<td>Introductory Astronomy [LE CAT5, NAT SCI]</td>
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<tr>
<td>BIOL 1011</td>
<td>General Biology I [LE CAT4, NAT SCI]</td>
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<td>BIOL 1012</td>
<td>General Biology II [SUSTAIN]</td>
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<td>CHEM 1113</td>
<td>Introduction to General, Organic, and Biological Chemistry I [LE CAT4, NAT SCI]</td>
<td>5.0</td>
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<tr>
<td>CHEM 1114</td>
<td>Introduction to General, Organic, and Biological Chemistry II</td>
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<tr>
<td>EDUC 1101</td>
<td>Education in Modern Society [LE CAT7, HUMANITIES]</td>
<td>3.0</td>
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<td>GEOL 1110</td>
<td>Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN]</td>
<td>4.0</td>
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<tr>
<td>GEOL 1610</td>
<td>Oceanography [LE CAT5, NAT SCI, SUSTAIN]</td>
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<td>GEOL 2110</td>
<td>Earth History</td>
<td>4.0</td>
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<td>GEOL 2311</td>
<td>Mineralogy</td>
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<td>GEOL 2350</td>
<td>Earth's Resources [LE CAT5, LEIP CAT05, NAT SCI]</td>
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<td>MATH 1250</td>
<td>Precalculus Analysis [LE CAT2, LOGIC &amp; QR]</td>
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<td>PHYS 1001</td>
<td>Introduction to Physics I [LE CAT4, NAT SCI]</td>
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<td>PHYS 1002</td>
<td>Introduction to Physics II</td>
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Upper Division (18 cr)

Students must register for 4 credits in EDUC 3412.

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EDUC 3412</td>
<td>The Computer in Education</td>
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<td>EDUC 4234</td>
<td>Science, Technology, and Society [SUSTAIN]</td>
<td>3.0</td>
</tr>
<tr>
<td>GEOG 3401</td>
<td>Weather and Climate</td>
<td>3.0</td>
</tr>
<tr>
<td>HLTH 3202</td>
<td>Drug Education</td>
<td>2.0</td>
</tr>
<tr>
<td>GEOL 2120</td>
<td>The Earth's Dynamic Interior</td>
<td>3.0</td>
</tr>
<tr>
<td>or GEOL 3210</td>
<td>Geomorphology</td>
<td>4.0</td>
</tr>
<tr>
<td>WRIT 3140</td>
<td>Advanced Writing: Human Services</td>
<td>3.0</td>
</tr>
<tr>
<td>or WRIT 3150</td>
<td>Advanced Writing: Science</td>
<td>3.0</td>
</tr>
</tbody>
</table>

Block Requirements (39 cr)

Application for admission to the blocks can only be completed spring semester for fall semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education.
website.

**Block I (12 cr)**

All courses must be taken concurrently.

- **EDSE 4204** - Designing Learning Environments and Lessons (3.0 cr)
- **EDSE 4100** - Teaching in a Diverse Society (3.0 cr)
- **EDSE 4501** - Adolescent/Adult Development and Learning Theory (3.0 cr)
- **SPED 3415** - Special Education in the Secondary School (3.0 cr)

**Block 2 (14 cr)**

All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Application are available from Department of Education website. EDSE 4255 and GEOL 4110 offered spring only. Consult advisor for additional upper division science courses.

- **EDSE 3206** - Apprenticeship: Secondary School (2.0 cr)
- **EDSE 4214** - Teaching Content-Area Reading (2.0 cr)
- **EDSE 4255** - Teaching Science: Grades 5-12 (3.0 cr)
- **EDSE 4525** - Assessment for Secondary Education (3.0 cr)
- **EDUC 4381** - Teaching Indigenous Students (3.0 cr)
- **EDUC 4110** - Advanced Earth Science for Teachers (2.0 cr)

**Block 3 (13 cr)**

All courses must be taken concurrently. Registration for student teaching in the senior year requires grades of C- or better in all courses in teaching major(s) and minor, graded completion of all education block courses; completion of at least 85% of teaching major courses. Students must have personal liability insurance while they are working in field placement settings. Students must register for 12 credits in EDSE 4600.

- **EDSE 4600** - Student Teaching (3.0 - 12.0 cr)
- **EDUC 4500** - Professional Issues and Ethics (1.0 cr)

**Diversity Immersion Experience Requirement**

Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings.

Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.

**Program Sub-plans**

A sub-plan is not required for this program.

**Environmental Education**

This emphasis enhances the student's major by integrating environmental education into formal (pre-K-12), as well as nonformal education settings such as parks and nature centers.

A student in this emphasis must meet the same GPA requirements as for the major. The emphasis is noted on the student's diploma.

**Environmental Education Courses (25 cr)**

- **ENED 3309** - Outdoor Leadership (1.0 cr)
- **ENED 3310** - Outdoor Leadership Field Experience (2.0 cr)
- **ENED 3341** - Field Interpretive Techniques I (3.0 cr)
- **ENED 3342** - Field Interpretive Techniques II (3.0 cr)
- **ENED 4163** - Outdoor Education Methods (3.0 cr)
- **HLTH 1650** - CPR/AED for the Professional Rescuer (1.0 cr)
- **HLTH 1700** - First Responder (3.0 cr)
- **PETE 3507** - Teaching Outdoor Skills II (2.0 cr)
- **ENED 1203** - Outdoor Skills I (2.0 cr)
- **ENED 1204** - Outdoor Skills II (2.0 cr)
- **ENED 4997** - Recreation Practicum (3.0 cr)

**Electives (6 cr)**

Pre-approved natural science courses may be substituted. Take 6 or more credit(s) from the following:

- **ES 2803** - Issues in Global Ecology [LE CAT5, LEIP CAT05, SUSTAIN] (3.0 cr)
- **BIOL 3603** - Plant Taxonomy (3.0 cr)
- **BIOL 4731** - Entomology (3.0 cr)
- **BIOL 4761** - Ichthyology (3.0 cr)
- **BIOL 4763** - Ornithology (3.0 cr)
- **BIOL 5833** - Stream Ecology (3.0 cr)
- **BIOL 5861** - Lake Ecology (3.0 cr)
- ENED 5325 - Sustainability Issues Investigation (2.0 cr)
- GEOL 5210 - Glacial and Quaternary Geology (4.0 cr)
Duluth Campus
Teaching French B.A.A.
Education, Foreign Languages & Literatures
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 120
- Required credits within the major: 71 to 91
- Degree: Bachelor of Applied Arts

The B.A.A. in teaching French is offered through the Department of Education, in conjunction with the Department of Foreign Languages and Literatures. This major prepares students for licensure as a French teacher from kindergarten through grade 12.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative, including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.
UST 1000 - UMD Seminar (1.0 - 2.0 cr)

Lower Division Requirements (3-23 cr)
Students may be exempted from part of the lower division requirements if they have previously completed French language coursework. Dept of Foreign Languages and Literatures determines exemptions based on acceptance of transfer credits and work done in secondary school. Students with 3 years of high school French enter the sequence at the intermediate French level and are exempted from FR 1101-1102. Exemption does not necessarily carry credits toward the 120 credits needed for graduation.

EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
FR 1101 - Beginning French I [LE CAT3, COMM & LAN] (4.0 cr)
FR 1102 - Beginning French II [LE CAT3, COMM & LAN] (4.0 cr)
FR 1201 - Intermediate French I [LE CAT3, COMM & LAN] (4.0 cr)
FR 1202 - Intermediate French II [LE CAT3, LEIP CAT03, COMM & LAN] (4.0 cr)
FR 2301 - Advanced French [LE CAT3, LEIP CAT03, COMM & LAN] (4.0 cr)
General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.A. in teaching French include:

* For liberal education, it is recommended students take LING 1811 for Logic and Quantitative Reasoning requirement and ENGL 1907 for Humanities requirement.

* Students must successfully complete an oral proficiency exam administered by the Department of Foreign Languages and Literatures before student teaching.

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Study abroad is essential for success in learning French.

* Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

Upper Division Requirements (29 cr)
Some of the upper division French courses may be transferred from another college or earned abroad, but at least two courses must be taken at UMD. By second semester, sophomore year, students start upper division requirements and plan for application to the secondary teacher education program (STEP).

EDUC 3412 - The Computer in Education (4.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
FR 3xxx-5xxx: including one culture course taught in French
FR 4018 or 4412 will satisfy the liberal education global perspective requirement

Must be completed prior to student teaching.

Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings.

Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for
credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.

**Block Requirements (38 cr)**

Application for admission to the blocks is preferred to be completed fall semester for spring semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education.

**Block 1 (12 cr)**

All courses must be taken concurrently. Consult advisor for additional upper division French courses.

- **EDSE 4204** - Designing Learning Environments and Lessons (3.0 cr)
- **EDSE 4100** - Teaching in a Diverse Society (3.0 cr)
- **EDSE 4501** - Adolescent/Adult Development and Learning Theory (3.0 cr)
- **SPED 3415** - Special Education in the Secondary School (3.0 cr)

**Block 2 (13 cr)**

All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Application are available from the Department of Education website. Consult advisor for additional upper division French courses.

- **EDSE 3206** - Apprenticeship: Secondary School (2.0 cr)
- **EDSE 4214** - Teaching Content-Area Reading (2.0 cr)
- **EDUC 4040** - World Language Teaching Methods (4.0 cr)
- **EDUC 4381** - Teaching Indigenous Students (3.0 cr)
- **EDSE 4525** - Assessment for Secondary Education (3.0 cr)

**Block 3 (13 cr)**

All courses must be taken concurrently: EDSE 4600 register for 12 cr. Registration for student teaching in the sr year requires grades of C- or better in all courses in the teaching major(s)/minor(s); graded completion of all education block courses including EDUC 4044; completion of at least 85% of teaching major courses; passed the oral proficiency exam; permission from faculty in the foreign languages program. Must have personal liability insurance while working in field placement settings.

- **EDSE 4600** - Student Teaching (3.0 - 12.0 cr)
- **EDUC 4500** - Professional Issues and Ethics (1.0 cr)
Duluth Campus
Teaching German B.A.A.
Education, Foreign Languages & Literatures
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 120
- Required credits within the major: 71 to 91
- Degree: Bachelor of Applied Arts

The B.A.A. in teaching German is offered through the Department of Education, in conjunction with the Department of Foreign Languages and Literatures. This major prepares students to teach German from kindergarten through grade 12.

Note: Students pursuing both the B.A. and B.A.A. degrees in German must satisfactorily complete 12 non-overlapping upper division credits of German electives beyond the requirements for both degrees.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative, including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites

Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.

UST 1000 - UMD Seminar (1.0 - 2.0 cr)

Lower Division Requirements (3-23 cr)
Students may be exempted from part of the lower division requirements if they have previously completed German language coursework. Dept of Foreign Languages and Literatures determines exemptions based on acceptance of transfer credits and work done in secondary school. Students with 3 years of high school German enter sequence at the intermediate German level and are exempted from GER 1101-1102. Exemption does not necessarily carry credits toward the 120 credits needed for graduation.

EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
GER 1101 - Beginning German I [LE CAT3, COMM & LAN] (4.0 cr)
GER 1102 - Beginning German II [LE CAT3, COMM & LAN] (4.0 cr)
GER 1201 - Intermediate German I [LE CAT3, COMM & LAN] (4.0 cr)
GER 1202 - Intermediate German II [LE CAT3, LEIP CAT03, COMM & LAN] (4.0 cr)
GER 2301 - Advanced German [LE CAT3, LEIP CAT03, COMM & LAN] (4.0 cr)

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Information current as of November 07, 2017
General Requirements
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2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.A. in teaching German include:

* It is recommended students take LING 1811 for Lib Ed Logic and Quantitative Reasoning, ENGL 1907 for Humanities.

* Students must successfully complete an oral proficiency exam administered by the Department of Foreign Languages and Literatures before student teaching.

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

Upper Division Requirements (29 cr)
Some of the upper division German courses may be transferred from another college or earned abroad, but at least two courses must be taken at UMD. By the second semester, sophomore year, students start upper division major courses and plan for application to the secondary teacher education program (STEP). Students must register for 4 credits in EDUC 3412. GER 4044 will satisfy LEP Global Perspective requirement.

EDUC 3412 - The Computer in Education (4.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)

Ger 3xxx-5xxx: including one culture course taught in German
See complete listing of Duluth course descriptions at www.catalogs.umn.edu/UMDcourses/.

Take 20 or more credit(s) from the following:
•GER 3xxx
•GER 4xxx
•GER 5xxx

Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings.

Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.
**Block Requirements (38 cr)**

Application for admission to the blocks is preferred to be completed fall semester for spring semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.

**Block 1 (12 cr)**

All courses must be taken concurrently. Consult advisor for additional upper division German course.

- **EDSE 4204** - Designing Learning Environments and Lessons (3.0 cr)
- **EDSE 4100** - Teaching in a Diverse Society (3.0 cr)
- **EDSE 4501** - Adolescent/Adult Development and Learning Theory (3.0 cr)
- **SPED 3415** - Special Education in the Secondary School (3.0 cr)

**Block 2 (13 cr)**

All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website. Consult advisor for additional upper division German course.

- **EDSE 3206** - Apprenticeship: Secondary School (2.0 cr)
- **EDSE 4214** - Teaching Content-Area Reading (2.0 cr)
- **EDSE 4525** - Assessment for Secondary Education (3.0 cr)
- **EDUC 4040** - World Language Teaching Methods (4.0 cr)
- **EDUC 4381** - Teaching Indigenous Students (3.0 cr)

**Block 3 (13 cr)**

All courses must be taken concurrently; EDUC 4600 register for 12 credits; registration for student teaching in the sr year requires grades of C- or better in all courses in the teaching major/minor; graded completion of all education block courses including EDUC 4044; completion of at least 85% of teaching major courses; passed the oral proficiency exam and permission from faculty in the foreign languages program. Must have personal liability insurance while working in field placement settings.

- **EDSE 4600** - Student Teaching (3.0 - 12.0 cr)
- **EDUC 4500** - Professional Issues and Ethics (1.0 cr)
Duluth Campus
Teaching Life Science B.A.Sc.
Biology, Education
College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 141 to 167
- Required credits within the major: 120 to 156
- This program is 9 terms (4½ years) long.
- This program requires summer terms.
- Degree: Bachelor of Applied Science

The B.A.Sc. degree in Teaching Life Science is offered by the Department of Education in conjunction with the Department of Biology. This major prepares students to teach all science areas in grades 5-8 and to teach life science in grades 9 through 12.

Students have the option of also completing the environment education emphasis with this major.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application to the licensure program; admission is based on criteria established by the Dept of Education, consistent with MN policies, as well as standards established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative, including transfer work and in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test such as MTLE Basic Skills Test, ACT, SAT; 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major.

There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and other students as determined by the dept. For information about University of Minnesota admission requirements, visit the Office of Admissions website.

Required prerequisites
- Introductory Course (1 cr)
  This course will be waived for transfer students or students who change colleges from a college where it is not required.

  Register course for one credit.
  UST 1000 - UMD Seminar (1.0 - 2.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through
courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this
requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A
minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade
point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements

Requirements for the B.A.Sc. in teaching life science include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP
Advising & Academic Services Office early in their senior year.

* Students must make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.

* Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the
major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical
experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching
experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are
available from the department office.

Lower Division Requirement (59 - 62 cr)

General Requirements (24 cr)

- AST 1040 - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 cr)
- EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
- GEOL 1110 - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- MATH 1250 - Precalculus Analysis [LE CAT2, LOGIC & QR] (4.0 cr)
- PHYS 1001 - Introduction to Physics I [LE CAT4, NAT SCI] (5.0 cr)
- PHYS 1002 - Introduction to Physics II (5.0 cr)

Biology (23 cr)

- BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)
- BIOL 3100 - Cell Biology (3.0 cr)
- BIOL 2201 - Genetics (3.0 cr)
- BIOL 3771 - Human Anatomy (4.0 cr)
- BIOL 2801 - General Ecology (3.0 cr)

Biology Laboratory (2 cr)

- BIOL 2102 - Cell Biology Laboratory (2.0 cr)
- or BIOL 2202 - Genetics Laboratory (2.0 cr)
- or BIOL 2802 - Ecology Laboratory (2.0 cr)

Chemistry (10 - 13 cr)

- CHEM 2543 is desirable but not required.
- CHEM 1113 - Introduction to General, Organic, and Biological Chemistry I [LE CAT4, NAT SCI] (5.0 cr)
- CHEM 1114 - Introduction to General, Organic, and Biological Chemistry II (5.0 cr)
- or CHEM 1153 - General Chemistry I [LE CAT5, NAT SCI] (4.0 cr)
- CHEM 1154 - General Chemistry Lab I [LE CAT4, NAT SCI] (1.0 cr)
- CHEM 1155 - General Chemistry II (4.0 cr)
- CHEM 1156 - General Chemistry Lab II (1.0 cr)
- CHEM 2541 - Organic Chemistry I (3.0 cr)
- or CHEM 1161 [inactive] [LE CAT4, NAT SCI] (5.0 cr)
- CHEM 1162 [inactive] (5.0 cr)
- CHEM 2541 - Organic Chemistry I (3.0 cr)

Upper Division Requirements (21 - 23 cr)

Students must register for 4 credits in EDUC 3412.
EDUC 3412 - The Computer in Education (4.0 cr)
EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)
HLTH 3202 - Drug Education (2.0 cr)

Advanced Writing
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
or WRIT 3150 - Advanced Writing: Science (3.0 cr)

Biology
BIOL 3401 - Evolution [SUSTAIN] (3.0 cr)

Physiology
BIOL 3703 - Animal Physiology (3.0 cr)
or BMS 3011 - General Physiology (4.0 cr)

Geology
GEOL 2110 - Earth History (4.0 cr)
or GEOL 2120 - The Earth's Dynamic Interior (3.0 cr)
or GEOL 3210 - Geomorphology (4.0 cr)

Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings. Evidence of completion of this requirement is included in candidates' professional portfolios.

Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.

Block Requirements (39 cr)
Application for admission to the blocks can only be completed spring semester for fall semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.

Block 1 (12 cr)
All courses must be taken concurrently. Consult advisor for additional upper division science course.
EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
SPED 3415 - Special Education in the Secondary School (3.0 cr)

All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website. EDSE 4255 and GEOL 4110 offered spring only. Consult advisor for additional upper division science course.
EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
EDSE 4255 - Teaching Science: Grades 5-12 (3.0 cr)
EDSE 4525 - Assessment for Secondary Education (3.0 cr)
EDUC 4381 - Teaching Indigenous Students (3.0 cr)
EDUC 4110 - Advanced Earth Science for Teachers (2.0 cr)

All courses must be taken concurrently. Students must register for 12 credits in EDUC 4600. Registration for student teaching in the senior year requires: grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses; and completion of at least 85 percent of teaching major courses. Students must have personal liability insurance while they are working in field placement settings.
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
EDUC 4500 - Professional Issues and Ethics (1.0 cr)

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

Environmental Education
Students may complete the environmental education emphasis with this major. The environmental education emphasis is offered by the Department of Education in conjunction with the Department of Biology and the Department of Health, Physical Education, and Recreation. This emphasis enhances the student's major by integrating environmental education into formal (pre-K-12), as well as nonformal education settings such as parks and nature centers. This emphasis must be taken in conjunction with the teaching life science or teaching earth and space science majors. The emphasis is noted on the student's diploma.
Students must complete 31 credits for the environmental education emphasis.

**Requirements (25 cr)**
- ENED 3309 - Outdoor Leadership (1.0 cr)
- ENED 3310 - Outdoor Leadership Field Experience (2.0 cr)
- ENED 3341 - Field Interpretive Techniques I (3.0 cr)
- ENED 3342 - Field Interpretive Techniques II (3.0 cr)
- ENED 4163 - Outdoor Education Methods (3.0 cr)
- HLTH 1650 - CPR/AED for the Professional Rescuer (1.0 cr)
- HLTH 1700 - First Responder (3.0 cr)
- PETE 3507 - Teaching Outdoor Skills II (2.0 cr)
- ENED 1203 - Outdoor Skills I (2.0 cr)
- ENED 1204 - Outdoor Skills II (2.0 cr)
- ENED 4997 - Recreation Practicum (3.0 cr)

**Electives (6 cr)**
Pre-approved natural science courses may be substituted.
Take 6 or more credit(s) from the following:
- BIOL 3603 - Plant Taxonomy (3.0 cr)
- BIOL 4731 - Entomology (3.0 cr)
- BIOL 4761 - Ichthyology (3.0 cr)
- BIOL 4763 - Ornithology (3.0 cr)
- BIOL 5833 - Stream Ecology (3.0 cr)
- BIOL 5861 - Lake Ecology (3.0 cr)
- ENED 5325 - Sustainability Issues Investigation (2.0 cr)
- ES 2803 - Issues in Global Ecology [LE CAT5, LEIP CAT05, SUSTAIN] (3.0 cr)
- GEOG 3401 - Weather and Climate (3.0 cr)
- GEOL 1610 - Oceanography [LE CAT5, NAT SCI, SUSTAIN] (3.0 cr)
- GEOL 5210 - Glacial and Quaternary Geology (4.0 cr)
Teaching Mathematics B.A.Sc.

Education, Mathematics & Statistics

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 124
- Required credits within the major: 99
- This program requires summer terms.
- Degree: Bachelor of Applied Science

The B.A.Sc. in teaching mathematics is offered by the Department of Education in conjunction with the Department of Mathematics and Statistics. This major is for students who plan to teach mathematics in grades 5-12.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies, as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation, and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites

Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.

**UST 1000 - UMD Seminar (1.0 - 2.0 cr)**

Lower Division (18 cr)

**CS 1511 - Computer Science I [LE CAT3, LOGIC & QR] (5.0 cr)**

**EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)**

**MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)**

**MATH 1297 - Calculus II [LOGIC & QR] (5.0 cr)**

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in teaching mathematics include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.

* Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

Upper Division (80 cr)
Students must take EDUC 3412 for 4 credits. Application for admission to the blocks can only be completed fall semester for spring semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.

EDUC 3412 - The Computer in Education (4.0 cr)
EDUC 4226 - Geometry for Teachers in Grades 5-8 (3.0 cr)
EDUC 4227 - Number Theory for Teachers in Grades 5-8 (3.0 cr)
EDUC 4228 - Teaching Mathematics with Technology (3.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
MATH 3110 - Foundations of Mathematics and Geometry (4.0 cr)
MATH 3280 - Differential Equations with Linear Algebra (4.0 cr)
MATH 3355 - Discrete Mathematics (4.0 cr)
MATH 3941 - Undergraduate Colloquium (1.0 cr)
MATH 4201 - Elementary Real Analysis (4.0 cr)
MATH 4370 - Introduction to Abstract Algebra for Teaching Majors (3.0 cr)
STAT 3611 - Introduction to Probability and Statistics (4.0 cr)

Advanced Writing
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
or WRIT 3150 - Advanced Writing: Science (3.0 cr)

Block 1
All courses must be taken concurrently. Consult advisor for additional upper division math course.
EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
SPED 3415 - Special Education in the Secondary School (3.0 cr)

Block 2
All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website. Consult advisor for additional upper division math course.
EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
EDSE 4222 - Teaching Mathematics: Grades 5-12 (4.0 cr)
EDSE 4525 - Assessment for Secondary Education (3.0 cr)
EDUC 4381 - Teaching Indigenous Students (3.0 cr)
Block 3
All courses must be taken concurrently. Students must take EDSE 4600 for 12 credits. Registration for student teaching in the senior year requires: grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses; and completion of at least 85 percent of teaching major courses. Students must have personal liability insurance while they are working in field placement settings.
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
EDUC 4500 - Professional Issues and Ethics (1.0 cr)

Diversity Immersion Experience
Candidates must spend a minimum of 40 hours at a formal or non-formal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings. Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.
Duluth Campus

Teaching Physical Science B.A.Sc.
Chemistry and Biochemistry, Education, UMD-Physics & Astronomy

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 135 to 141
- Required credits within the major: 116 to 121
- This program is 9 terms (4½ years) long.
- Degree: Bachelor of Applied Science

Students can choose to complete the chemistry emphasis or the physics emphasis.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative, including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.
UST 1000 - UMD Seminar (1.0 - 2.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this
requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.Sc. in teaching physical science include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Students must make satisfactory academic progress and demonstrate acceptable professional performance in field experiences.

* Program completers must pass all tests required by the Minnesota Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

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

Chemistry
The B.A.Sc. degree in teaching physical science - chemistry emphasis is offered by the Department of Education in conjunction with the Department of Chemistry and Biochemistry. This major (111-112 cr) prepares students to teach all science areas in grades 5 through 8 and to teach chemistry in grades 9 through 12.

Lower Division Requirements (60-61 cr)

Astronomy
- AST 1040 - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 cr)

Biology
- BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)

Chemistry
- CHEM 1153 - General Chemistry I [LE CAT5, NAT SCI] (4.0 cr)
- CHEM 1154 - General Chemistry Lab I [LE CAT4, NAT SCI] (1.0 cr)
- CHEM 1155 - General Chemistry II (4.0 cr)
- CHEM 1156 - General Chemistry Lab II (1.0 cr)
- CHEM 2222 - Quantitative Analysis (3.0 cr)
- CHEM 2223 - Quantitative Analysis Laboratory (1.0 cr)
- CHEM 2541 - Organic Chemistry I (3.0 cr)
- CHEM 2542 - Organic Chemistry II (3.0 cr)
- CHEM 2543 - Organic Chemistry I Laboratory (1.0 cr)
- CHEM 2544 - Organic Chemistry II Laboratory (1.0 cr)

Education
- EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)

Geology
- GEOL 1110 - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- GEOL 2110 - Earth History (4.0 cr)
  - or GEOL 2120 - The Earth's Dynamic Interior (3.0 cr)
  - or GEOL 3210 - Geomorphology (4.0 cr)

Math
- MATH 1290 - Calculus for the Natural Sciences [LE CAT2, LOGIC & QR] (5.0 cr)
  - or MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)

Physics
PHYS 1001 - Introduction to Physics I [LE CAT4, NAT SCI] (5.0 cr)
PHYS 1002 - Introduction to Physics II (5.0 cr)

**Upper Division Requirements (16 cr)**
- EDUC 3412 register for 4 credits.
- CHEM 3322 - Biochemistry (3.0 cr)
- CHEM 3324 - Biochemistry Laboratory (1.0 cr)
- EDUC 3412 - The Computer in Education (4.0 cr)
- EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)
- HLTH 3202 - Drug Education (2.0 cr)

**Advanced Writing Requirement**
- WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
  or WRIT 3150 - Advanced Writing: Science (3.0 cr)

**Diversity Immersion Experience Requirement**
Candidates must spend a minimum of 40 hours at a formal or non-formal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidate to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings. Evidence of completion of this requirement will be included in candidates' professional portfolios.

**Block Requirements (39 cr)**
Application for admission to the blocks can only be completed spring semester for fall semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.

**Block 1 (12 cr)**
- All courses must be taken concurrently. Consult advisor for additional upper division science course.
  - EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
  - EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
  - EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
  - SPED 3415 - Special Education in the Secondary School (3.0 cr)

**Block 2 (14 cr)**
- All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Application are available from the Department of Education website.
  - EDSE 4255 and GEOL 4110 offered spring only. Consult advisor for additional upper division science course.
  - EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
  - EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
  - EDSE 4255 - Teaching Science: Grades 5-12 (3.0 cr)
  - EDSE 4525 - Assessment for Secondary Education (3.0 cr)
  - EDUC 4381 - Teaching Indigenous Students (3.0 cr)
  - EDUC 4110 - Advanced Earth Science for Teachers (2.0 cr)

**Block 3 (13 cr)**
- All courses must be taken concurrently. Registration for student teaching in the senior year requires grades of C- or better in all courses in the major/minor, graded completion of at least 85% of teaching major courses. Students must have personal liability insurance while they are working in field placement settings.
  - EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
  - EDUC 4500 - Professional Issues and Ethics (1.0 cr)

**Physics**
The B.A.Sc. degree in teaching physical sciences - physics emphasis is offered by the Department of Education in conjunction with the Department of Physics. This major (113-115 cr) prepares students to teach all science areas in grades 5 through 8 and to teach physics in grades 9 through 12. One semester of computer programming is recommended for students completing this major.

**Lower Division Requirements (63-64 cr)**

**Astronomy**
- AST 1040 - Introductory Astronomy [LE CAT5, NAT SCI] (3.0 cr)

**Biology**
- BIOL 1011 - General Biology I [LE CAT4, NAT SCI] (5.0 cr)
- BIOL 1012 - General Biology II [SUSTAIN] (5.0 cr)

**Chemistry**
- CHEM 1113 - Introduction to General, Organic, and Biological Chemistry I [LE CAT4, NAT SCI] (5.0 cr)
- CHEM 1114 - Introduction to General, Organic, and Biological Chemistry II (5.0 cr)

**Education**
- EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)

**Geology**
- GEOL 1110 - Geology and Earth Systems [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- GEOL 2110 - Earth History (4.0 cr)
  - or GEOL 2120 - The Earth's Dynamic Interior (3.0 cr)
  - or GEOL 3210 - Geomorphology (4.0 cr)
Math
MATH 1296 - Calculus I [LE CAT2, LOGIC & QR] (5.0 cr)
MATH 1297 - Calculus II [LOGIC & QR] (5.0 cr)

Physics
PHYS 2013 - General Physics I [LE CAT5, NAT SCI] (4.0 cr)
PHYS 2014 - General Physics Lab I [NAT SCI] (1.0 cr)
PHYS 2015 - General Physics II (4.0 cr)
PHYS 2016 - General Physics Lab II (1.0 cr)
PHYS 2021 - Relativity and Quantum Physics (4.0 cr)
PHYS 2022 - Classical Physics (4.0 cr)
PHYS 2033 - Classical and Quantum Physics Lab (2.0 cr)

Upper Division Requirements (17 cr)
EDUC 3412 register for 4 credits
EDUC 3412 - The Computer in Education (4.0 cr)
EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
PHYS 3061 - Instrumentation (3.0 cr)
PHYS 4110 - Physics for Science Teachers (2.0 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
or WRIT 3150 - Advanced Writing: Science (3.0 cr)

Diversity Immersion Experience Requirement
Registration for student teaching in the senior year requires: grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses; completion of at least 85 percent of teaching major courses. Students must have personal liability insurance while they are working in field placement settings.

Block Requirements (39 cr)
Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.

Block 1 (12 cr)
Application to the blocks can only be completed spring semester for fall semester admission. All courses must be taken concurrently. Consult advisor for additional upper division science course.
EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
SPED 3415 - Special Education in the Secondary School (3.0 cr)

Block 2 (14 cr)
All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website. EDSE 4255 and GEOL 4110 offered spring only. Consult advisor for additional upper division science course.
EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
EDSE 4255 - Teaching Science: Grades 5-12 (3.0 cr)
EDUC 4381 - Teaching Indigenous Students (3.0 cr)
EDUC 4110 - Advanced Earth Science for Teachers (2.0 cr)
EDSE 4525 - Assessment for Secondary Education (3.0 cr)

Block 3 (13 cr)
All courses must be taken concurrently. Registration for student teaching in the senior year requires grades of C- or better in all courses in the teaching major/minor, graded complete of all education block courses; completion of at least 85% of teaching major courses. Students must have personal liability insurance while they are working in field placement settings. EDSE 4600 register for 12 credits.
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
EDUC 4500 - Professional Issues and Ethics (1.0 cr)
Teaching Social Studies B.A.A.

College of Education and Human Service Professions

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 123
- Required credits within the major: 105 to 108
- Degree: Bachelor of Applied Arts

The B.A.A. in teaching social studies prepares students to teach grades 5 through 12. Social studies is an interdisciplinary major that requires lower division coursework in each of eight areas: anthropology, economics, geography, history, political science, psychology, sociology, and women's studies. Students then select one of these areas in which to complete an upper division emphasis. Students complete additional coursework in education.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies, as established by the National Council for Accreditation in Teacher Education. Students must 1) complete EDUC 1101; 2) GPA of at least 2.50 cumulative including transfer work & in major courses completed at time of application; 3) take the MTLE Basic Skills Test for licensure; 4) passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5) minimum 30 documented hours working with students in grades 5-12; 6) receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation, and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites
Introductory Course (1 cr)
This course will be waived for transfer students or students who change colleges from a college where it is not required.

Register course for one credit.

UST 1000 - UMD Seminar (1.0 - 2.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the Liberal Education Program.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.A. in teaching social studies include:

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Degree candidates must complete at least 20 of the last 30 degree credits immediately before graduation at UMD.

* Make satisfactory academic progress and demonstrate acceptable professional performance in field experiences

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

Lower Division Requirements (37 cr)

**Anthropology**
- ANTH 1602 - Biological Anthropology and Archaeology [LE CAT7, LEIP CAT07, SOC SCI] (4.0 cr)
- ANTH 1604 - Cultural Anthropology [LE CAT6, LEIP CAT08, SOC SCI, GLOBAL PER] (4.0 cr)

**Economics**
- ECON 1003 - Economics and Society [LE CAT8, SOC SCI] (3.0 cr)
- ECON 1022 - Principles of Economics: Macro [LE CAT6, SOC SCI] (3.0 cr)
- ECON 1023 - Principles of Economics: Micro [LE CAT6, SOC SCI] (3.0 cr)

**Education**
- EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)

**Geography**
- GEOG 1414 - Physical Geography [LE CAT4, NAT SCI, SUSTAIN] (4.0 cr)
- GEOG 1202 - World Regional Geography [LE CAT8, LEIP CAT08, GLOBAL PER] (3.0 cr)
- GEOG 1304 - Human Geography [LE CAT6, LECD CAT06, SOC SCI] (3.0 cr)

**History**
- HIST 1207 - Dawn of Modern Europe [LE CAT7, HUMANITIES] (4.0 cr)
- HIST 1208 - Europe in the Modern Age [LE CAT7, HUMANITIES] (4.0 cr)
- HIST 1304 - US History Part I: 1607-1877 [LE CAT7, HUMANITIES] (4.0 cr)
- HIST 1305 - US History Part II: 1865-Present [LE CAT7, HUMANITIES] (4.0 cr)

**Political Science**
- POL 1011 - American Government and Politics [LE CAT6, SOC SCI] (3.0 cr)
- POL 1050 - International Relations [LE CAT8, LEIP CAT08, GLOBAL PER] (3.0 cr)
- POL 1500 - Introduction to Comparative Politics [LE CAT6, LEIP CAT06, GLOBAL PER] (3.0 cr)
- POL 1610 - Introduction to Political Theory [LE CAT7, HUMANITIES] (3.0 cr)

**Psychology**
- PSY 1003 - General Psychology [LE CAT6, SOC SCI] (4.0 cr)

**Sociology**
- SOC 1101 - Introduction to Sociology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)

Upper Division Requirements (12 cr)

EDUC 3412 register for 4 credits.
- EDUC 3412 - The Computer in Education (4.0 cr)
- EDUC 4234 - Science, Technology, and Society [SUSTAIN] (3.0 cr)
- HLTH 3202 - Drug Education (2.0 cr)
- WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
- WRIT 3160 - Advanced Writing: Social Sciences (3.0 cr)

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Information current as of November 07, 2017
Non-Western History Requirement (3 cr)
This requirement is not required for the History Concentration
Take 1 or more course(s) totaling 3 or more credit(s) from the following:
• AMIN 2015 - Ojibwe History and Culture [SUSTAIN] (3.0 cr)
• HIST 2515 - Precolonial Africa [LE CAT7, LECD CAT07, HUMANITIES] (4.0 cr)
• HIST 3616 - Society and Culture in 20th-Century Africa (4.0 cr)
• POL 3570 - Politics of Developing Nations (3.0 cr)
• SPAN 2540 - Latino Literatures and Cultures [LE CAT8, LECD CAT08, HUMANITIES, CDIVERSITY] (4.0 cr)

Diversity Immersion Experience Requirement
A minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. This experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings.
Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.

Block Requirements (37 cr)
Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website. Application for admission can be completed either fall or spring semester.
Block 1 (12 cr)
All courses must be taken concurrently.
EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
SPED 3415 - Special Education in the Secondary School (3.0 cr)
Block 2 (12 cr)
All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website.
EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
EDSE 4244 - Teaching Social Studies: Grades 5-12 (3.0 cr)
EDSE 4525 - Assessment for Secondary Education (3.0 cr)
EDUC 4381 - Teaching Indigenous Students (3.0 cr)
Block 3 (13 cr)
All courses must be taken concurrently. EDSE 4600 - register for 12 credits.
EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
EDUC 4500 - Professional Issues and Ethics (1.0 cr)

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

Anthropology
Anthropology Emphasis (18 cr)
ANTH 4651 - Development of Anthropological Theory (4.0 cr)
SOC 3155 - Quantitative Research Methods and Analysis (4.0 cr)
Take at most 10 credit(s) from the following:
• ANTH 3xx
• ANTH 4xx

Economics
Students with an economics concentration must take ECON 1003 as their lower division ECON course. ECON 1022 or ECON 1023 cannot count as a lower division course and count toward the concentration.
Economics Emphasis (18 cr)
ECON 1022 - Principles of Economics: Macro [LE CAT6, SOC SCI] (3.0 cr)
ECON 1023 - Principles of Economics: Micro [LE CAT6, SOC SCI] (3.0 cr)
Take at most 12 credit(s) from the following:
• ECON 3xx
• ECON 4xx
• ECON 5xx

Geography
Geography Emphasis (18 cr)
GEOG 3401 - Weather and Climate (3.0 cr)
GEOG 3702 [Inactive] (3.0 cr)
GEOG 4612 - Field Techniques (4.0 cr)
Take 8 - 9 credit(s) from the following:
* GEOG 3xxx
* GEOG 4xxx
* GEOG 5xxx

History
Take no more than 8 credits in any one sub-requirement group. Non-western history requirement is not required for the History concentration.

History Emphasis (18 cr)
Other electives may be approved.
Take 18 or more credit(s) from the following:

Subrequirement I: United States History
Take 0 - 8 credit(s) from the following:
* HIST 2353 [Inactive] (3.0 cr)
* HIST 2355 [Inactive] [LE CAT7] (4.0 cr)
* HIST 2357 [Inactive] [LE CAT7, LECT CAT07] (4.0 cr)
* HIST 3318 - Slavery, Lincoln and the Civil War (4.0 cr)
* HIST 3320 - American Popular Culture, 1929 to the Present (4.0 cr)
* HIST 3346 - History of Hollywood (4.0 cr)
* HIST 3361 [Inactive] (3.0 cr)
* HIST 3365 [Inactive] (4.0 cr)
* HIST 3386 - The United States and the World since 1898 (4.0 cr)

Subrequirement II: European History
Take 0 - 8 credit(s) from the following:
* HIST 2345 - Science and Society: 1500 to Present [LE CAT7, HUMANITIES] (4.0 cr)
* HIST 2365 - Russia in the 20th Century [LE CAT7, LEIP CAT07, GLOBAL PER] (4.0 cr)
* HIST 2544 [Inactive] (3.0 cr)
* HIST 3035 - Ancient Warfare From Alexander to Mohammad (4.0 cr)
* HIST 3055 - The Bible & Ancient Near East (4.0 cr)
* HIST 3056 [Inactive] (4.0 cr)
* HIST 3107 [Inactive] (4.0 cr)
* HIST 3121 [Inactive] (4.0 cr)
* HIST 3131 [Inactive] (4.0 cr)
* HIST 3133 - Ancient Greece from Homer to Alexander (4.0 cr)
* HIST 3141 - Ancient Rome: From Republic to Empire (4.0 cr)
* HIST 3151 [Inactive] (4.0 cr)
* HIST 3235 [Inactive] [LE CAT7, LEIP CAT07, HUMANITIES] (4.0 cr)
* HIST 3243 - Europe in Crisis in the 20th Century (4.0 cr)
* HIST 3244 - History of Holocaust (4.0 cr)
* HIST 3257 - Modern France (4.0 cr)
* HIST 3264 - Imperial Russia (4.0 cr)
* HIST 3399 - Europe in the Age of Renaissance and Reformation: 1348-1648 (4.0 cr)
* HIST 3940 - Early Modern England: 1485-1689 (4.0 cr)

Subrequirement III: Asian, African, Non-U.S., Non-European
Take 0 - 8 credit(s) from the following:
* HIST 2325 - Muslim Societies [LE CAT7, LEIP CAT07] (4.0 cr)
* HIST 2405 - History of Chinese Culture (4.0 cr)
* HIST 2410 - Modern China, Japan, Koreas, Vietnam and East Asia (4.0 cr)
* HIST 2515 - Precolonial Africa [LE CAT7, LECT CAT07, HUMANITIES] (4.0 cr)
* HIST 3463 - History of Modern China (4.0 cr)
* HIST 3465 - Twentieth Century China Politics (4.0 cr)
* HIST 3615 - Modern Africa (4.0 cr)
* HIST 3616 - Society and Culture in 20th-Century Africa (4.0 cr)
* HIST 3726 - Modern Middle East: 18th Century-Present (4.0 cr)
* HIST 3728 [Inactive] (3.0 cr)
* HIST 3825 - Islamic History from Muhammad to the Ottomans (4.0 cr)
* HIST 4727 - Middle Eastern History Through Film [LEIP CAT07] (4.0 cr)

Political Science
Take no more than 8 credits in any one category.
Political Science Emphasis (18 cr)
Take at most 18 credit(s) from the following:

Category I: United States Politics
Take 0 - 8 credit(s) from the following:
• POL 3001 - American Public Policy (3.0 cr)
• POL 3015 - State and Local Government (4.0 cr)
• POL 3040 - Women and Politics (3.0 cr)
• POL 3080 - Environment and Politics (3.0 cr)
• POL 3150 - American Constitutional Law I (3.0 cr)
• POL 3151 - American Constitutional Law II (3.0 cr)
• POL 3170 - Political Interest Groups and Individuals (3.0 cr)

Category II: International Politics
Take 0 - 8 credit(s) from the following:
• POL 3400 - Contemporary Issues in World Politics (4.0 cr)

Category III: Comparative Politics
Take 0 - 8 credit(s) from the following:
• POL 3517 - Western European Political Systems (4.0 cr)
• POL 3570 - Politics of Developing Nations (3.0 cr)

Category IV: Political Theory
Take 0 - 8 credit(s) from the following:
• POL 3600 - Political Concepts (4.0 cr)
• POL 3610 - Political Economy: An Introduction (3.0 cr)
• POL 3651 - Classical Political Thought (4.0 cr)
• POL 3652 - Modern Political Thought (4.0 cr)

Psychology
Psychology Emphasis (18 cr)
Take 18 or more credit(s) from the following:
• PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
• PSY 2223 - Gender in Society [LE CAT8, LECD CAT08, CDIVERSITY] (4.0 cr)
• PSY 3021 - Experimental Design and Methodology (4.0 cr)
• PSY 3111 - Theories of Personality (3.0 cr)
• PSY 3121 - Abnormal Psychology (4.0 cr)
• PSY 3201 - Social Psychology (3.0 cr)
• PSY 3211 - Group Dynamics (3.0 cr)
• PSY 3215 - Topics in Human Sexuality (3.0 cr)
• PSY 3371 - Child and Adolescent Psychology (3.0 cr)
• PSY 3611 - Learning and Behavior (4.0 cr)

Sociology
Sociology Emphasis (18 cr)
SOC 4111 - Sociological Theory (4.0 cr)
SOC 3155 - Quantitative Research Methods and Analysis (4.0 cr)
SOC 3701 - Social Psychology [SOC SCI] (3.0 cr)
SOC 3901 - Social Change and Social Policy (3.0 cr)
SOC 3821 - Sociology of Community (3.0 cr)
or SOC 3831 - Organizations and Society (4.0 cr)
Take 0 - 1 credit(s) from the following:
• SOC 3xx
• SOC 4xx

Women's Studies
Women's Studies Emphasis (18 cr)
WS 1000 - Introduction to Women's and Gender Studies [LE CAT7, LECD CAT07, CULT DIV, SOC SCI, CDIVERSITY] (3.0 cr)
WS 2101 - Women, Race, and Class [LE CAT8, LECD CAT08, SOC SCI, CDIVERSITY] (3.0 cr)

Electives (12 cr)
Take 12 or more credit(s) from the following:
Women's Studies
Take 6 or more credit(s) from the following:
• WS 3000 - Transnational Perspectives on Feminism [SOC SCI, GLOBAL PER] (3.0 cr)
• WS 3001 - Gender Relations in the Global South [GLOBAL PER] (3.0 cr)
• WS 3002 - Latin American Women: Culture and Politics (3.0 cr)
• WS 3100 - Feminist Thought [HUMANITIES, CDIVERSITY] (4.0 cr)
• WS 3150 - Women-Identified Culture [CDIVERSITY] (3.0 cr)
• WS 3300 - Women and Spirituality [HUMANITIES, CDIVERSITY] (3.0 cr)
• WS 3350 - Women and the Law [CDIVERSITY] (3.0 cr)
• WS 3600 - Ecofeminism: Theories and Sustainable Practices [SUSTAIN] (3.0 cr)

Other Electives
Take 6 or more credit(s) from the following:
• ANTH 3628 - Women in Cross-Cultural Perspective (3.0 cr)
• CRIM 4323 - Women and Justice (3.0 cr)
• GEOG 4394 [Inactive] (4.0 cr)
• HIST 2357 [Inactive] [LE CAT7, LECD CAT07] (4.0 cr)
• POL 3040 - Women and Politics (3.0 cr)
• PSY 2223 - Gender in Society [LE CAT8, LECD CAT08, CDIVERSITY] (4.0 cr)
• SOC 4947 - Sociology of Gender Identities and Systems (3.0 cr)
Duluth Campus
Teaching Spanish B.A.A.
Education, Foreign Languages & Literatures
College of Education and Human Service Professions

• Program Type: Baccalaureate
• Requirements for this program are current for Fall 2012
• Required credits to graduate with this degree: 120
• Required credits within the major: 70 to 90
• Degree: Bachelor of Applied Arts

The B.A.A. in teaching Spanish is offered through the Department of Education, in conjunction with the Department of Foreign Languages and Literatures.

This major prepares students to teach Spanish from kindergarten through grade 12.

Students pursuing both the B.A. and B.A.A. degrees in Spanish must satisfactorily complete 12 non-overlapping upper division credits of Spanish electives beyond the requirements for both degrees.

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

Admission Requirements
Students must complete 45 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students entering the secondary and K-12 licensure programs are bound by the policies in effect at the time of application; admission is based on criteria established by the Dept of Education, consistent with MN policies as established by the National Council for Accreditation in Teacher Education. Students must 1)complete EDUC 1101; 2)GPA of at least 2.50 cumulative including transfer work & in major courses completed at time of application; 3)take the MTLE Basic Skills Test for licensure; 4)passing scores on a nationally recognized standardized test (MTLE Basic Skills Test, ACT, SAT); 5)minimum 30 documented hours working with students in grades 5-12; 6)receive a C- or better in all required courses for the major. Students must submit a letter of application, resume, letters of recommendation and their APAS report. There are alternatives to the admission procedures to encourage the participation of individuals from underrepresented groups and students as determined by the dept.

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

Required prerequisites
Lower Division Requirements (3-23 cr)
Students may be exempted from part of the core requirements if they have previously completed Spanish language coursework. The Dept of Foreign Languages and Literatures determines exemptions based on acceptance of transfer credits and work done in secondary school. Students with 3 years of high school Spanish enter the sequence at the intermediate Spanish level and are exempted from SPAN 1101-1102. Exemption does not necessarily carry credits toward the 120 credits needed for graduation.

EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
SPAN 1101 - Beginning Spanish I [LE CAT3, COMM & LAN] (4.0 cr)
SPAN 1102 - Beginning Spanish II [LE CAT3, COMM & LAN] (4.0 cr)
SPAN 1201 - Intermediate Spanish I [LE CAT3, COMM & LAN] (4.0 cr)
SPAN 1202 - Intermediate Spanish II [LE CAT3, LEIP CAT03, COMM & LAN] (4.0 cr)
SPAN 2301 - Advanced Spanish [LE CAT3, LEIP CAT03, COMM & LAN] (4.0 cr)

General Requirements
The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an
undergraduate degree from University of Minnesota Duluth include the following:
1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.
2. Students must complete all requirements of the Liberal Education Program.
3. Students must complete a minimum of 120 semester credits.
4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.
5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.
6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.
7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.
8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

Program Requirements
Requirements for the B.A.A. in Spanish include:

* It is recommended students take LING 1811 for lib ed Logic and Quantitative Reasoning, ENGL 1907 for Humanities.

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Study abroad is essential for success in learning Spanish.

* Program completers must pass all tests required by the MN Board of Teaching to be recommended for licensure.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

Upper Division Requirements (29 cr)
Some of the upper division Spanish courses may be transferred from another college or earned abroad, but at least two courses must be taken at UMD. By the second semester of the sophomore year, students start upper division major courses and plan for application to the secondary teacher education program (STEP). EDUC 3412 register for 4 credits.

EDUC 3412 - The Computer in Education (4.0 cr)
HLTH 3202 - Drug Education (2.0 cr)
WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
SPAN 3xxx - 5xxx Including one culture course taught in Spanish

SPAN 3042 and 3044 satisfy the global perspective liberal education requirement.

Take 20 or more credit(s) from the following:
• SPAN 3xxx
• SPAN 4xxx
• SPAN 5xxx

Diversity Immersion Experience Requirement
Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings.

Students must meet this requirement after they take EDUC 1101* and before they complete their education program. Registration for credit is not required for this experience; however, candidates who wish to earn credit may register for EDUC 4991.

Student Teaching:
Registration for student teaching in the senior year requires: grades of C- or better in all courses in the teaching major(s) and minor(s); completion (graded) of all education block courses, including EDUC 4040; completion of at least 85 percent of teaching major courses; having passed the oral proficiency exam and permission from faculty in the foreign languages program.
Must have personal liability insurance while working in field placement settings.

**Block Requirements (39 cr)**

Application for admission to the blocks is preferred to be completed fall semester for spring semester admission. Application for admission to the blocks must be submitted by the 6th Friday of the semester. Applications are available from the Department of Education website.

**Block 1 (12 cr)**

- All courses must be taken concurrently. Consult advisor for additional upper division Spanish course.
- EDSE 4204 - Designing Learning Environments and Lessons (3.0 cr)
- EDSE 4100 - Teaching in a Diverse Society (3.0 cr)
- EDSE 4501 - Adolescent/Adult Development and Learning Theory (3.0 cr)
- SPED 3415 - Special Education in the Secondary School (3.0 cr)

**Block 2 (13 cr)**

- All courses must be taken concurrently. Application for student teaching must be made by the 4th Friday of the semester before student teaching. Applications are available from the Department of Education website. Consult advisor for additional upper division Spanish course. Oral Proficiency Exam must be completed prior to student teaching.
- EDSE 3206 - Apprenticeship: Secondary School (2.0 cr)
- EDSE 4214 - Teaching Content-Area Reading (2.0 cr)
- EDSE 4525 - Assessment for Secondary Education (3.0 cr)
- EDUC 4381 - Teaching Indigenous Students (3.0 cr)
- EDUC 4040 - World Language Teaching Methods (4.0 cr)

**Block 3 (13 cr)**

- All courses must be taken concurrently.
- EDSE 4600 - Student Teaching (3.0 - 12.0 cr)
- EDUC 4500 - Professional Issues and Ethics (1.0 cr)

**Exit Standards**

Students must successfully complete an oral proficiency exam administered by the Department of Foreign Languages and Literatures before student teaching.
**Duluth Campus**

**Unified Early Childhood Studies B.A.Sc.**

*Education*

*College of Education and Human Service Professions*

- Program Type: Baccalaureate
- Requirements for this program are current for Fall 2012
- Required credits to graduate with this degree: 140 to 141
- Required credits within the major: 114 to 115
- This program requires summer terms.
- Mesabi Range Community and Technical College, Virginia, MN. A collaboration between MRCTC and UMD resulted in the creation of several lower division courses at Mesabi designed to meet identified licensure standards and to transfer to UMD. Students interested in early childhood licensure were advised to take these courses as electives in the MRCTC's Associate of Arts curriculum. These students are now eligible to apply for admission to the UMD licensure program. The intent of the plan for off-site delivery was to provide a program in the communities in which the students lived, where they wanted to eventually work, and where the early childhood teachers are needed. The courses would be partially internet delivered to provide flexibility in the delivery of the program, and to ease access constraints for students who would commute from Iron Range communities other than Virginia. The combined face-to-face and online model limits enrollment to UMD's traditional service region.
- Degree: Bachelor of Applied Science

The unified early childhood studies program and licensures include interdisciplinary curricula that prepare students for work in a variety of settings with children of diverse ability levels, from birth through age eight.

Graduates find employment in public schools, community and private preschool programs, early primary grades in elementary schools, programs for children ages birth through six with identified disabilities or delays, home- and center-based child care, Head Start programs, and hospital-based settings.

All students complete a common core of courses in child development, parent-child relations, early childhood curriculum and programming, early childhood special education, community resources, and educational leadership and program administration.

The unified early childhood studies major leads to Minnesota licensure in early childhood education (birth through grade three) and early childhood special education. International student teaching placements are available.

**Program Delivery**

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

**Admission Requirements**

Students must complete 54 credits before admission to the program.

Freshman and transfer students students are usually admitted to pre-major status before admission to this major

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

Students are admitted to UMD as pre-early childhood majors and must apply for candidacy after completion of required lower division coursework. The number of students admitted to candidacy in the program each year is based on availability of suitable programs for practicum experience. Candidates are selected on the basis of an overall GPA of at least 2.70, three references, a personal written statement, completion of the Pre-Professional Skills Test (PPST), and documented experience working with young children. An entrance interview may be requested by the faculty selection committee. Students interested in the major are advised to apply the fall semester of their sophomore year. A student transferring from another institution must apply for admission and may be admitted with advanced standing. Decisions regarding transfer of credits are made on an individual basis.

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

**Required prerequisites**

**Introductory Course (1 cr)**

This course will be waived for transfer students or students who change colleges from a college where it is not required.
Register course for one credit.

**UST 1000 - UMD Seminar (1.0 - 2.0 cr)**

**Lower Division (21-22 cr)**

- ECH 2010 - Foundational Issues in Early Childhood Studies (3.0 cr)
- ECH 2015 - Literature for Young Children (3.0 cr)
- ECH 2025 - Educating the Human Brain [SOC SCI] (3.0 cr)
- EDUC 1100 - Human Diversity [LE CAT8, LECD CAT08, CDIVERSITY] (3.0 cr)
- EDUC 1101 - Education in Modern Society [LE CAT7, HUMANITIES] (3.0 cr)
- EDUC 1000 - Human Development (3.0 cr)
- or PSY 2021 - Developmental Psychology [LE CAT6, LECD CAT06, SOC SCI, CDIVERSITY] (4.0 cr)
- SOC 1201 - Sociology of the Family [LE CAT8, LECD CAT08, SOC SCI, CDIVERSITY] (3.0 cr)
- or EDUC 5340 - Interacting With Diverse Families (3.0 cr)

**General Requirements**

The Board of Regents, on recommendation of the faculty, grants degrees from the University of Minnesota. Requirements for an undergraduate degree from University of Minnesota Duluth include the following:

1. Students must meet all course and credit requirements of the departments and colleges or schools in which they are enrolled including an advanced writing course. Students seeking two degrees must fulfill the requirements of both degrees. However, two degrees cannot be awarded for the same major.

2. Students must complete all requirements of the **Liberal Education Program**.

3. Students must complete a minimum of 120 semester credits.

4. At least 30 of the last 60 degree credits earned immediately before graduation must be awarded by UMD.

5. Students must complete at least half of their courses at the 3xxx-level and higher at UMD. Study-abroad credits earned through courses taught by UM faculty and at institutions with which UMD has international exchange programs may be used to fulfill this requirement.

6. If a minor is required, students must take at least three upper division credits in their minor field from UMD.

7. The minimum cumulative UM GPA required for graduation will be 2.00 and will include only University of Minnesota coursework. A minimum UM GPA of 2.00 is required in each UMD undergraduate major and minor. No academic unit may impose higher grade point standards to graduate.

8. Diploma, transcripts, and certification will be withheld until all financial obligations to the University have been met.

**Program Requirements**

Requirements for the B.A.Sc. in unified early childhood include:

* Completion of a portfolio approved by program faculty.

* Compliance with general regulations governing granting of degrees. Students are required to review their degree status in the CEHSP Advising & Academic Services Office early in their senior year.

* Degree candidates must complete at least 20 of the last 30 degree credits immediately before graduation at UMD.

* Recommendations for licensure are based on successful completion of all program-related courses; demonstration of satisfactory outcomes required by the program; acceptable performance in field experiences, including student teaching; and successful completion of all tests required by the Board of Teaching.

* Students must obtain personal liability insurance while working in programs.

* Students are expected to: a) make satisfactory progress each semester, including grades of C- or better in all courses required in the major; b) demonstrate acceptable professional performance in applied learning settings (e.g., laboratory, field experiences, clinical experiences); and c) obtain an approved background check before being placed in clinical, field, intern, or student teaching experiences. Students who do not meet program expectations can be dismissed from the major. Details on these requirements are available from the department office.

**Advanced Writing Requirement (3 cr)**

- WRIT 3140 - Advanced Writing: Human Services (3.0 cr)
- or WRIT 3150 - Advanced Writing: Science (3.0 cr)

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Information current as of November 07, 2017
Upper Division (89 cr)

Application for student teaching must be made by fourth Friday of semester before student teaching. Applications are available from Department of Education website. Incompletes must be cleared before filing application. Students must have grades of C- or better in all required courses in the major to be eligible for student teaching.

EDUC 3412 - register for 4 cr
ECH 4400 - register twice for total of 2 cr
ECH 4600 - register for 12 cr
SPED 4600 - register for 6 cr
CSD 3130 - Language Development and Disorders (4.0 cr)
ECH 3021 - Teaching Mathematics: Birth-Age Eight (4.0 cr)
ECH 3022 - Literacy for Young Children: Teaching Reading, Writing, Speaking, and Listening (4.0 cr)
ECH 3030 - Inquiry, Social Studies, and Science Learning: Birth-Age Eight (5.0 cr)
ECH 3050 - Observing Early Relationships in Infants and Toddlers (4.0 cr)
ECH 3055 - Creative Expressions and Emergent Literacy: Birth - Age 8 (4.0 cr)
ECH 3060 - Teaching Culturally and Linguistically Diverse Children (3.0 cr)
ECH 3104 - Family Partnerships (1.0 cr)
ECH 4009 - Leadership in Early Childhood Studies (3.0 cr)
ECH 4010 - Infant and Early Childhood Perceptual and Psychomotor Development (2.0 cr)
ECH 4400 - Professional Development Seminar (1.0 cr)
ECH 4600 - Student Teaching in Early Childhood/Primary (3.0 - 12.0 cr)
ECH 4610 - Professional Issues Seminar in Early Childhood Education (1.0 cr)
EDUC 3412 - The Computer in Education (4.0 cr)
HLTH 3161 [Inactive]
SPED 3103 - Infants and Toddlers with Special Needs (4.0 cr)
SPED 3105 - Young Children with Special Needs: Ages Three-Eight (4.0 cr)
SPED 3106 - Working with Young Children with Low Incidence Disabilities (4.0 cr)
SPED 3107 - Supporting Social/Emotional Development Birth-8 (3.0 cr)
SPED 3205 - Foundations in Early Childhood Assessment (2.0 cr)
SPED 4433 - Foundations in Special Education (4.0 cr)
SPED 4435 - Parent and Professional Communication and Collaboration (4.0 cr)
SPED 4600 - Student Teaching (1.0 - 12.0 cr)
SPED 4610 - Professional Issues (1.0 cr)

Diversity Immersion Experience

Candidates must spend a minimum of 40 hours at a formal or nonformal educational setting that has a high percentage (greater than 50 percent) of children, young adults, or families from diverse communities. The format of this experience allows candidates to observe, interact, and reflect in an educational setting guided by focus questions and recommended readings. Evidence of completion of this requirement will be included in a candidate's professional portfolio.

Students must meet this requirement after they take EDUC 1101 and before they complete their education program. Registration for credit is not required, however, candidates who wish to earn credit may register for EDUC 4994.

Program Sub-plans

A sub-plan is not required for this program.

Virginia

The requirements for the program at Mesabi Range Community and Technical College (MRCTC) are the same as the UMD on-campus degree. Students are admitted with an associate degree or courses that transfer to UMD’s liberal education program. A UMD faculty member is assigned as a cohort adviser and travels to MRCTC at least once a semester; other advising is accomplished via e-mail.